tggcaggtca cacgactgga cggagtgtcc gtacgcgcat cccggcgaga aggctcgacg   360

ccgggacccg agaaagttcc actactccgg cgcggcgtgc ccggagtttc gcaagggaaa   420

ctgcaagaaa ggcgacacgt gcgagttcgc gcacggcgtt ttcgagtgct ggctccaccc   480

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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081d03d1

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gggctgctcc ccacaatggt taggcaaatg ttacaaaaaa aaaaaaaaaa accgtttttt   180

aagatttgtg aaaaacaggg aacccatcct gataaatgct tttgattgaa gtttgcctcc   240

catggagata tgaagagggt taacgagacc ttttttgccc catttaaaaa atttgccaaa   300

aacagcaaaa gaattccctg taatgggggg atcatttcac aggcaagatc ttgatgacag   360

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<211>   511
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081d04a1

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acgctcttcc ctccacttcg ccgccacgca atacgctacc gtcgttttcg cccaaacccc   180

gcaccccaac atcttcctct acaacaccct cattcgcggc atggtctaca cgacgccttt   240

ccgcgatgcc gtttcggtct atgcctccat gcgccagcac ggctttgccc cggacaactt   300

caccttccct ttcgtcctca aagcctgcac cagactccca cattacttcc acgtgggtct   360

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ccttgtttgg ttgtactcca aaaacgggtt tttaaccgat gcgcggcagg tggttgatga    480

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<210>      6743
<211>      417
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220081d04d1

<400>      6743

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aatacatagt tacacacata ctacacgtga atacgaatga cacacgcaca tgttgcgagg    180

ttctcgcata ccgatctctg agactacctg tcacagagcc cgcggatcaa ccattccgct    240

ttagagggac ccaacctatc ataataagag aagactgaga cttccttggg gtgaagaaca    300

aaggggtaat gtccagaaaa gcatgtgtta taaaggaaac ctgttaagcc cgcactgtgg    360

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<213>      Glycine max

<223>      Clone ID: jC-gmf102220081d05a1

<400>      6744

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<211>      530
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220081d06a1

<400>      6745
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atcgatcgca tcacacacaa acaatcatgt ttagccggat gttcggtaaa cctaaacagg   240

aaaccaatgc tgttgccact ttggacaagc taaacgagac acttgaaatg ctggagaaaa   300

aggagaaagt gctccttaaa aaggtggcag cggaagttga aaaggccaaa gaattcacaa   360

gggggaagaa caaaagggcg gcaatacaat gtctgaagag gaagaggtta tatgaacagc   420

aaatagagca gcttggaaat ttccagttgc gtattcatga ccagatgata ttgttggaag   480

gtgctaaagc taccactgaa acagtagatg cattaagaac tggagcagct              530
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<210>     6746
<211>     408
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220081d06d1

<400>     6746
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cagcctcggg acaaaataca caatcaattg aatagcctat caagtataaa aatgttatca   120

aacctgagtt ctaagggggg ttttaatttg acactgatct attcaatgga aaattggtca   180

agtattgtct caactagact taataggtga aatacaagta caactctcaa acctcaacta   240

attgagagag aaaaagatat ggttcaacaa tttttaattc gtagggaaga atattccctg   300

aacgaaatga atttatttgc gactgttacc aggtgggggc attggattcc tgtttcctct   360

tctatctaat aaagaatatt gattggatga atgatgacca taatacct              408
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<211>     445
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220081d07a1

<400>     6747
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caatccctcc caaaacctca tactatgctt gcgcagctgg cgctgactgt tatactctcc    180

accaagactg tccatgtttc caatctaaca ccgttagggg ccactgtgac tgctcagtga    240

acagctacat acaaatgaag ggttatgctg aaagaccctg caactttgat ggaacaacca    300

tatgttactg catctgaccc cagatctggt ggtacttgcg tctacccttc tagtgacagt    360

gctgcatgca ctggtacaac ttcagtgact accacaccaa ccatgggcac catggctaca    420

aatggaactt ccataacaag caccg                                         445


<210>      6748
<211>      515
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220081d07d1

<400>      6748

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gccccaaaga ccttttaccc ctatgtgaaa gagggttctc ctctcttgaa aacaaataaa    120

aaaattcaag gtttttaaat taaaacctat atatacacgt gttttcatca cacgcgcgga    180

caccagccat tggagtcctg tatagttagg ccaaaactca tggccaaaaa taggaaaaaa    240

tatataaaca gctcccgcaa agaaaaacca agaaaaagaa aaatcacacg tacacacttc    300

attggcacgc accagaaccg actgcacacg tgccaatacc caacaaaaaa agtccacgat    360

ttgtagccaa acttcaactt attgcccttc aattgttctt tactgttgag ggtcccatca    420

aagtagtagt aacgtggatg atgaagaagc agtgatgctg gccaagaaat gaagctttgc    480

ttgacttatg aataccatga tatgaacatt gaaca                              515


<210>      6749
<211>      520
<212>      DNA
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<223>      Clone ID: jC-gmf102220081d08a1

<400>      6749

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ataatttaat gtgttgtgtg tataaataaa tacaaaaaat actgatccca gattaatcca 180

acgacgacca tcaaatctca ccatccaaac cctaatctga aaccatcgtt ccctctattt 240

ctctctctac aacctccaaa ttccgatctc atattcctct cctcgctacc cgatccagag 300

gctacagacc tttctccttc gagatctcgc cccacgcgcc tgtttccgcc tccatcatgg 360

tcgtgagcgg agggaagggc ctcaaacgcg ccgcgaagaa gagagtcacc gccgacttct 420

acgacttcct aacgttcccc acgccggcgc tcgccgagtc ggagaacttc gccgggcgac 480

cgttcccgct caacgtgcgc gcctttctga cgaagcacgc 520

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<211>   504
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081d08d1

<400>   6750

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attcaaaact ttaaccaacc caaaaatttt ggataaaata aatggggaaa cattcaagag 180

gattgcttct aaaatgaatt gcactatcaa ctgcaactac acattccttt atacacaaaa 240

aaataggcca ttcaagataa taacatggcc caagttacta ggttagtgga tggatccggt 300

ttaaactcct ggttcccgtt ggcctgcgtt tgctatttgc atttactatt ccagtgcgtg 360

ttccgaaagc agacagtata taaagtattt tgcgatgaaa aatattttca tttagtaacc 420

ttatttgcac tcttaaacac ctgcccttgt tagtacgaga agccgtcaaa gtaagccgca 480

aatttcattt ctgcttcata atat 504

<210>   6751
<211>   522
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220081d09a1

<400>   6751

3005

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aacatgcagg ctacccaaca gcagcctcag gctcagaact cccaaaatca gaaaatccac   180

tataacgttt gaggaacttt aggagcttaa tgtggctttg atgggttata gtctttgcaa   240

tcagcaactg ggtttgtgcc tgtcttttgt gctgaaatac gtttgcatgt gacatccgaa   300

ggattgcctt gggatagcta tatcgaggaa ttggtatata tgatttcagt tgatggaagt   360

ttggggcatt acgaagatac aagcaggcgc atcccgggct gaaaattgat aagataaccc   420

nctttaccgt actgaagttt tgtattggtt gggattaagg tgaaattgtt cgagaaaagc   480

atacatggaa tggttttgtc gaaagggtnt cgatcttgaa gc                      522
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<210>   6752
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081d09d1

<400>   6752

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cccacatctt catgcatatt agatcgatga aggtgaagta cctaacataa aagagccttg   120

gtaacagaaa aaacacatca tgagctcctg aaccaccttt atcgaccagg atcataagtt   180

taaaacatgg agatgcagcg gatgagggag ttgctgttac tgcggtcatc atttgaaagc   240

gagggaatgt cccttgtggg tggaaatcac actgccggca ggttttgcac tcgctaaaac   300

aatattccac agcccgctag cctctgtctt ttctctctaa tgatctctac tttagcattc   360

ctctctctgt cttcttctac atatatataa caactctgtt tgaaatctca acactgtgga   420

cgtcatcatc gacatcttct ctgtgaagcg gtctcttttg aatgccctac acttgcttcc   480

gaagccacaa accaaccaac tatatatctc gggtacctaa ttgagaa                 527
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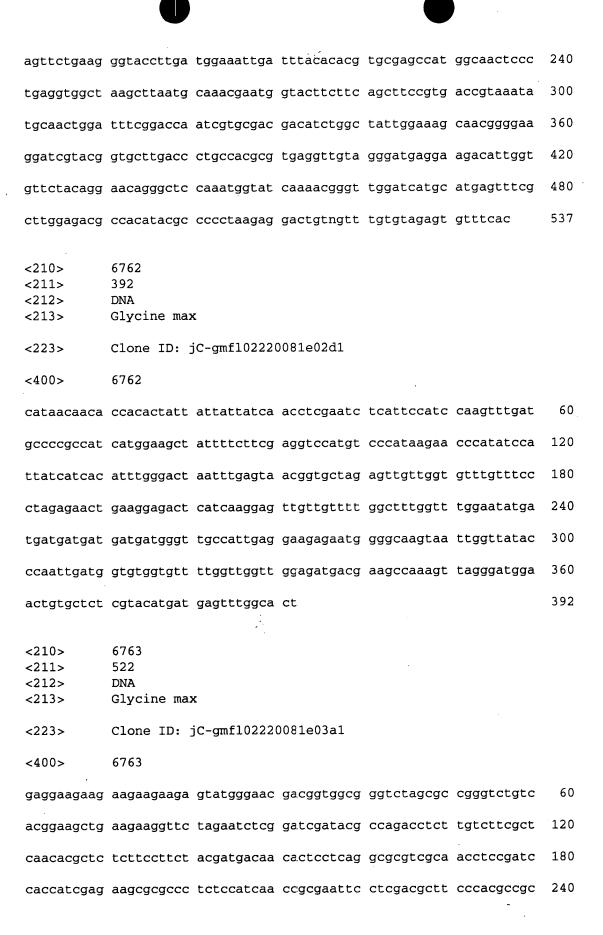
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tggaggacta tttgactctg aaggataaaa atggtgtgaa tgtttcaggc actgttgtgt   360

tggcaaggca tgggaagata tatagagggg acattgtgaa gaatgcttat gaagaaggtg   420

ctgttggggt ggtgatatat tcagatagga aggactatgg tggtgaggaa aagtggtttc   480

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<212>   DNA
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<223>   Clone ID: jC-gmfl02220081d10d1

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cacccgggga gacgcccgat cacgcctgcg atcgacgtcg aacggttact tcctccgaag   180

actgccgaac ccgaatcagc gttctggcga tcgagaaaga tagaaagttg tcccatggac   240

tgaggacgaa catacaatgt ttctgcacgc attgcataag ctgcgctaag gcgattggcg   300

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tacatatttc atgaggctac gcaatgtgta taggcgaaaa ag   402

<210>   6755
<211>   518
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081d11a1

<400>   6755

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tgggagcgaa caagttcccc gagagacagc cgattgggac ggcggcgcag agccaagacg     120

acggcaagga ctaccaggag ccggcgccgg cgccgctggt tgacccgacg gagtttacgt     180

catggtcgtt ttacagagca gggatagcag agtttgtggc cactttctg  tttctctaca     240

tcaccgtctt aaccgttatg ggagtcgccg gggctaagtc taagtgtagt accgttggga     300

ttcaaggaat cgcttgggcc ttcggtggca tgatcttcgc cctcgtttac tgcaccgctg     360

gcatctcagg gggacacata aacccggcgg tgacatttgg gctgtttttg gcgaggaagt     420

tgtcgttgcc cagggcgatt ttctacatcg tgatgcaatg cttgggtgct atttgtggcg     480

ctggcgtggt gaatggtttc gaggggaaaa caaaatac                             518
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<210>   6756
<211>   392
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081d11d1

<400>   6756

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tccaaatttc aaaaaactga ccattggttt ttactccatt tttcatggcc tgatgttatc     120

ccaaacatta accctggccg gggtgactct tttgggccac caggggaaac agatcaatgg     180

ttgtcctcag tctatgacca atactttcat actctgaggg aaactcgtaa agtgatgtct     240

ttctcgcctg cggtgaaagc tgaaccttgc aaacacacct tggtaccgca gctgcccgtg     300

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accccttagg ctcaaccttg acatcaaatg cc                                   392
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<210>   6757
<211>   426
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081d12a1

<400>   6757

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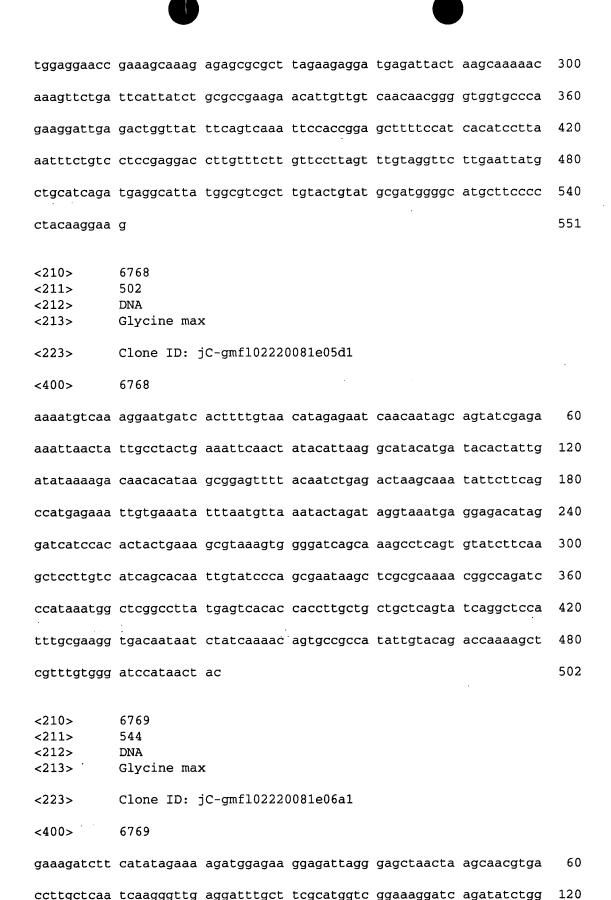
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taacaggagc cacatccaag cttggaagag caattgctct ctacctttgc caaaagaaag   240

tgaaagttct gatgttaact ctctcaacag atagatttca gaggattcaa aaggaagccc   300

ctccagaaaa tcaaagctat cttgtccaag tgacaaaata ccaagctgca caaaacttgc   360

agacctggat cgttggtaag tggatcacgc cagagagcaa tactgggcac cacgtggaac   420

ccattt   426

<210>   6758
<211>   484
<212>   DNA
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<223>   Clone ID: jC-gmfl02220081d12d1

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ccatgaatga agcactgacc ctgtgatcat cttaacatgc cacaagccac attacaaaat   180

gcatacacgg acttgaaaga atttacccac acttgtaagg ttactgagcc gtgcatgcaa   240

tggcccaaaa caaatcccaa acacctggag aaaaattctt tgactgaagc tgaatttaca   300

tatgtttctg agagaaaccc gaccccgctg ttgcgccatg tgagagtgct gattccaaca   360

ccagaacccc tttgaagaca tttaaggccc caactgcttg agaagaccaa cggtcaacgc   420

tgtgggccac taatcctaaa tgggacccta gaacgattag cctatacatt gtgggctggc   480

aaca   484

<210>   6759
<211>   455
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081e01a1

<400>   6759

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ggacaataag cgcaaggagg atattcgtca tgccaacatt gggggcgcac gctcagtcgc    180

caacgcggtt tcgaccagtc tgggccctaa gggcatggac aagatgatct ccaccttctc    240

cgacgaggtc atcatcacca acgacggcgc caccatcctc aacaagatgc aggtccttca    300

gcccgccgac aagatgctcg tcgagctctc caagtcccag gactccgccg ccggcgacgg    360

caccaccacc gtcgtcgtca tcgctggcgc cctcctcgag cagtgcctcc ttcttctttt    420

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<210>   6760
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220081e01d1

<400>   6760

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catggggggcc ttcaaaattg caaacaacac ggggggccca ggtcaaaaga acttaaccca    120

aggggcttga aagaacattt tacccccccc cataaaatta aggcccggag gaccaaaaaa    180

aaaaaaacag ggagatgggg ggggggttcaa ttttttcccca aaatgcggtt gggtgaaaaa    240

accttcccccc aaaggtacaa aaacaaaaat cttaaaaaac atcccccccc cctttgtcgc    300

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<210>   6761
<211>   537
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220081e02a1

<400>   6761

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ttacccgagt gatgaggagt tggtccttca ttacctttac aaaaagatca ctaatgagga    180
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agttctgaag ggtaccttga tggaaattga tttacacacg tgcgagccat ggcaactccc   240

tgaggtggct aagcttaatg caaacgaatg gtacttcttc agcttccgtg accgtaaata   300

tgcaactgga tttcggacca atcgtgcgac gacatctggc tattggaaag caacgggggaa   360

ggatcgtacg gtgcttgacc ctgccacgcg tgaggttgta gggatgagga agacattggt   420

gttctacagg aacagggctc caaatggtat caaaacgggt tggatcatgc atgagtttcg   480

cttggagacg ccacatacgc cccctaagag gactgtngtt tgtgtagagt gtttcac   537

<210>   6762
<211>   392
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081e02d1

<400>   6762

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ttatcatcac atttgggact aatttgagta acggtgctag agttgttggt gtttgtttcc   180

ctagagaact gaaggagact catcaaggag ttgttgtttt ggctttggtt tggaatatga   240

tgatgatgat gatgatgggt tgccattgag aagagaatg gggcaagtaa ttggttatac   300

ccaattgatg gtgtggtgtt ttggttggtt ggagatgacg aagccaaagt tagggatgga   360

actgtgctct cgtacatgat gagtttggca ct   392

<210>   6763
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081e03a1

<400>   6763

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acggaagctg aagaaggttc tagaatctcg gatcgatacg ccagacctct tgtcttcgct   120

caacacgctc tcttccttct acgatgacaa cactcctcag gcgcgtcgca acctccgatc   180

caccatcgag aagcgcgccc tctccatcaa ccgcgaattc ctcgacgctt cccacgccgc   240

3011

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gcagctggcc ttggatagcg tggagaacga ggtcgatgcg ctcgctgagt gctgtgacag   300

gatagcaaag gctttgaata gttgtagtgc tagcaccgct gacattatcg gcaccacaga   360

gaggctcaaa caagagcttg aaactactac acaaagacaa gagattgtag catgtttctt   420

acgtgattat cagctctccc ctgaagagat aaatgcactt agagaagaag agctgaatga   480

aaactttttc aaggcattat ctcatgtcca agagatttat gc                      522
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<210>       6764
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<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220081e03d1

<400>       6764
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tttttttttc ctacgggaaa aaaggcccccg ggggggcccct ttattgaaaa atttggcaaa   120

aacacatgtt acaatgccaa aaattggtgg cacattaggg ggggcacttg caaacttagg   180

acaaaaacat ggggggcgggg gtaaaaacca aacaaaactg ggggggggcaa aaaaaaccgg   240

ttaaaacccc ccttccccccg ttttattttt aaacaaacgg gtttatttttt taatttttttta   300

aaaaaacttt cacgagatta aaggcccctttt ttttcttttg gaacaaaaag aattttttctt   360

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<210>       6765
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<223>       Clone ID: jC-gmfl02220081e04a1

<400>       6765
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acagaaacat gctactgtgc aaatcattgg gttctctgc acagaaccac cccgccccaa   180

ttcatttcac ttgttaaatt ctcctccttt ttcactctcc acactcaata tgaatttgag   240

gtaagttttt tttctaggaa gtgctagtct ttctggattt ttgctgcgtt ttaccatcgg   300
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gggttgccgg gaattgccgc acgatcatgc cgccggcgct gtccgatccg ctgtcggtga   360

ctccggcgag ctccgacgct gttttgcagc gatcggcgcc ggacaatcgg cgattcggtg   420

atcttagagg gctgcagtgg cggataaatc ttggggtgtt gccgtcttcc tcttcgactt   480

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gcgcctac   548

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<211>   429
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081e04d1

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gattcataac cacattcata gtgtggcaag tagaaacatg catgcagcaa cttctataat   120

gaataggcac ccagtctttc tctgcacaag taataaaaat agtaatacaa aaaaagcaat   180

cctgcaggtt cacaatcaat ctgtatagca tatcaaatcc atagttccat ttcttttgca   240

gagtttatgg ctcagtattc tcttccaact caggttttga ttccttgtct tctgagatga   300

aatctgaact gccttcagca gcaacggtcc catcatcagt atgtcctaca gctggagggt   360

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gctctacca   429

<210>   6767
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081e05a1

<400>   6767

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tccgaccggc cagccaatct gcaattccga ttttgcttag atctctcacg aatccccttt   120

ctgcaccttc ctagggttta ctagacacca tgactctttc ggacgacgag acgagaatc   180

tggctcaatt tctggaatca gaagtcctct cggaggtatc tgacaaggaa gaggaaaatg   240

3013

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aaagttctga ttcattatct gcgccgaaga acattgttgt caacaacggg gtggtgccca 360

gaaggattga gactggttat ttcagtcaaa ttccaccgga gcttttccat cacatcctta 420

aatttctgtc ctccgaggac cttgtttctt gttccttagt ttgtaggttc ttgaattatg 480

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ctacaaggaa g   551

<210>   6768
<211>   502
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220081e05d1

<400>   6768

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atataaaaga caacacataa gcggagtttt acaatctgag actaagcaaa tattcttcag 180

ccatgagaaa ttgtgaaata tttaatgtta aatactagat aggtaaatga ggagacatag 240

gatcatccac actactgaaa gcgtaaagtg gggatcagca aagcctcagt gtatcttcaa 300

gctccttgtc atcagcacaa ttgtatccca gcgaataagc tcgcgcaaaa cggccagatc 360

ccataaatgg ctcggcctta tgagtcacac caccttgctg ctgctcagta tcaggctcca 420

tttgcgaagg tgacaataat ctatcaaaac agtgccgcca tattgtacag accaaaagct 480

cgtttgtggg atccataact ac   502

<210>   6769
<211>   544
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220081e06a1

<400>   6769

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ccttgctcaa tcaagggttg aggatttgct tcgcatggtc ggaaaggatc agatatctgg 120

3014

<210>   6770
<211>   447
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081e06d1

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aaagacaata caaccgccca atcaagaaga actcatacat ctctcatctc aacgaagagg 120

catacatgaa tcaggaactc tgataaaatt tctctaacac tgtacacgtg agggccaaaa 180

aataaaacga ctataaaaga gatgttgagc tattttttcca tggataagat gatcttcgcc 240

ccgtgagttg gggtgtgaag ctaaggccaa acatctcctt gagggccttg cctctttccc 300

aaaacctaac taacttggca actattgtag cactttgcat tacgaggttc atatcatttt 360

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actcctcgaa tagccttctt cgctcct   447

<210>   6771
<211>   536
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081e07a1

<400>   6771

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cagtcctcat ccagtttcac ctcataaaca gttggttgat gccctgata  gcacatgtgc    180

ccaagtgatg caaacaaaga ctgaaaaagt tagtagtaga tgggtgcatg cgacggaaaa    240

agagtgccat gaacttattg atcttgatga tgttgcaagg gttaaggact tggctatggg    300

aatatctttg aatatgcaac tagagcatcc actcgaggaa ctgtctagca atccaattgt    360

gggtaaaggg gcaaataaga tgtctgatgt agatgatatg cagatcatta agagaaagag    420

caatgtctgt gaaaaaggac aattggaata caatggtgat aaaaccggga cacaggaaaa    480

tcaggctatg aatgttattg atgttactga tagcaacagt tcacatgctg aaagca        536
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<210>   6772
<211>   341
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220081e07d1

<400>   6772

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ggccaataaa accctttgtt atcccgggaa cccatgaaat acccttgtta ccctttcctt    120

acattggagg gaaaacaaaa ttttttaacg gagtgggggg ggcaaagtaa caaaattaca    180

aatctatggg gaaattaatt atgctgcttt cgaggttctc gactagaact ctttttgggg    240

ggcatcattg ttggggtcca taaaacggtc cttgcaatgg gatcttttgg tgggagcacc    300

ctccccataa ggggtgtcca tataacccac aggtttcttt t                        341
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<210>   6773
<211>   525
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220081e08a1

<400>   6773

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tctataacca ttttttttctt catgtaatca ttgtatagaa gagccccata ggagtagagc    120

aaactaaatg aagatataaa ataagaaaga ctagaaactg aaaatgaact ttggctttgt    180
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tattaaatca aagaaatcta ctcaagatac ctttggctag ccttcttagc ataattagag   240

taccagccca accctggtaa caggattaag ttgtttcttg aattcttgca tatttctctc   300

tactaacgga acccaattgg aataatcttt catattttc cattttcttc ctcttttgtt   360

tctccccatt gtggcttcaa tcccattctc taacattaac atatcgttcc atgtcaactg   420

tacttgaaca tgctaatttg aagctaaaac tgcacgtttg ctgcagtttg tgcttagttg   480

aaatttcaga catgaataag cattcttcca tttaaaccga acaaa   525

<210>   6774
<211>   393
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081e08d1

<400>   6774

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gtttacttgc cctggaacgg attctgggac ccccctaata cagcccaaag acttagggta   120

tagtaaccgg cttctaagct tcaaacactt tgtagcacaa aacgcaatgc gagattttgc   180

atgctctcaa gaaaattaca ctgtaatata agacttactg tgctgttcat tgaccaagct   240

ggtcccaatg ccaatgcaat atgcactggt gcaaaacctt cttgagatgt aaagaccgg   300

tgccaatgct ataattgccg tggctatcat gtaccatgat gcctcgccct gcatgaatag   360

gtggctcaac aagacaatga taaagggcgc acc   393

<210>   6775
<211>   531
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220081e09a1

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aagctaaggg cacatcacaa tgaaggcatt gattctggtt gggggtttg aacaaggct   180

gaggccactg acactcagtt ttcctaagcc tcttgttgat tttgctaaca aacctatgat   240

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tctgcatcag atagaggccc ttaaggccat ggagttact gaggtggtgc tagccatcaa    300

ctaccaacca gaggttatgt tgaatttctt gaaggatttt gaaacaaagc tcggcatcaa    360

gatcacatgt tctcaggaaa ctgaaccatt gggaacagca ggtcctctgg ctcttgccag    420

ggataagctg atagatgact ctggagaacc cttttttgtt ctcaacagtg atgttatcag    480

tgagtatcca ctcaaagaaa tgatngaatt ccatanaaac catggaggag a            531
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<210>   6776
<211>   529
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081e09d1

<400>   6776

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cccacatctc catgcatatt agatcgagga aggtgaagta cctaacataa aagagccttg    120

gtaacagaaa aaacacatca tgagctcctg aaccaccttt atcgaccagg atcataagtc    180

taaaacatgg agatgcagcg gatgagggag ctgctgttac tgtggtcatc atttgaaagc    240

gagggaatgt cccttgaggg tggaaatcac actgccggca gggtatgcac tcgctaaaac    300

aatattccac aacccccttt tctctctctt tactctctaa taatgtcttc tttaggattg    360

ctctctcttt cttcttctac atatatataa caactctctt taaaatttca acactgtggt    420

cgtcatcatc gtcatcttct ttgtgtttct ttctcttgcg agtcccctac acttgctttt    480

gaagccacaa accaaccaac tatatatctc ggttacctaa atgagaaat             529
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<210>   6777
<211>   447
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081e10a1

<400>   6777

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ttgtaaatga tgaattgtat gctgatgatt atgccgacat ggaagataac aagtctgaca    120

cggagagaaa agtgtggcta accattggga gactgtcaga acgagcaacg tcaatgaatg    180
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gctggggtct tgcattcagg gcatgcggag ataatcttat tgtcattgat ggacctagga 240

ctcatggcga gggctttatt gaactcaatc catgggtgcc tagggaagga cctccaccgt 300

gggatctact cgctagaaaa cgttccggcc actgtgtcta taattgtgct gtgacgggat 360

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attgaatgat ccatttacac aagattc 447

<210>   6778
<211>   328
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081e10d1

<400>   6778

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agaaattttg tacaacaggc aagggggggg gcataaacta ctatgcaaaa acatgcccta 120

atgtggagta catagttgtc aaggaaattt aggatgccaa agctagggac agatctgtta 180

cagcagcaat tctgcgaatg cactctcacg attgttttgc tcgggggtgt gatgcctctg 240

tgctgctaaa ggcacaacga agcaagagat catgaaaaga ctggccacca aatgtaagtt 300

tgcatgccct ctatgctagt gaggcacc 328

<210>   6779
<211>   558
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081e11a1

<400>   6779

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agtgctccct ccgcggcgtc ggcgtcggcg acggtgttct ggtccctccg cggcgagaag 180

tgtacgagga ggggcgaatc ttcgacatca cccacaggta tgtccccgag atgccggtgt 240

gggactcgac ggaggggctc gggcagcact tcctgtggct cgaaaagagc atgaagaatg 300

gctcgcgcgc taacaactcc aacatgaagc tcggtgttca caccggcacc catgtcgacg 360

cgcccggtca cttttacgac aattactacg acgccggctt cgatgttgac tcactcgacc   420

taacactcct caatggcctt gcactttttgg ttgatgttcc acgggataaa aacattactg   480

ctgaggttat gaagtccttg aatatcccta gaggtgtaag ccgcgtgctt ttcagaactt   540

taaacactgg caggcaac   558

<210>   6780
<211>   457
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220081e11d1

<400>   6780

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acctttttgac attttttttta ttgggctaag aaagttgggg caagggatga ttatgcaact   180

gcagcttggg gttaccaaaa aacgaaggct tgaaaaaaaa aaaaactcaa aaaaagcctt   240

tttttgactca tggtgaacct accaaatccc ctggattttg acattctttg gggcctttttc   300

tcccaaataa atgtcggacg ggtgaaaact ttggaaccca ccgattacct cggcggtctt   360

aaggttgggc ttggagacac tgaaggggat tttccccttg ggtgatgagg ccttttgtt   420

gttttccttg gaaaggtcct tcttattttt tcttttcc   457

<210>   6781
<211>   496
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220081e12a1

<400>   6781

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cccaccaagt ttttgcagct aaagtctact caggccatat ctaaggcttt tggtttggaa   120

cctgctggag ttaataaggt cacatgctcc cttcaggctg atcttaagga cttggctcac   180

aagtgtgttg atgctaccaa aattgcaggc tttgcccttg ccacctctgc tctcgttgtt   240

tctggggcaa gtgctgaagg agtaccaaag cggttaacct ttgacgaaat ccagagcaag   300

3020

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acctacttgg aagtgaaggg gacaggaaca gcaaaccagt gtccaacaat tgatggtgga    360

ttggagtcat ttgccttcaa gcaagggaaa tacaatgcca agaagttctg ccttgagcca    420

acttcattca cagtgaacgc agagggtgtg gccaaaacgc tccccctgag ttcaaacaca    480

aagcttatga cacgtt    496


<210>      6782
<211>      459
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220081e12d1

<400>      6782

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cttttggtc tttattaaag acatttcaca atggttttc tattataaaa aacttgggct    120

tcaatattct cacccccccct taatttaaac cctgaaaatt taagccctgc aatgggggggg    180

cgttaaggct ccaacctttg aaaggcctct tattgtgctc ggaaagctgg gccaagggat    240

gaaactgccg ccacagcatg gggttccaag aaaacaaggg cctgaaaaaa aaaaaaacca    300

aaaaaaaccc tttttgaccc agggtgagcc taccaacaac ccggggtctt gacattcttt    360

ggggcctttg cccccaaata aatgtcgggc gggttaaaac tctggaacaa accggatacc    420

tccccgggct aagggttggc cttggggaca ctgaagggg    459


<210>      6783
<211>      394
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220081f01a1

<400>      6783

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aaatcagcaa agacatgggt tttagagaca ttggcgctta actgccccca gggtttcagt    120

tctacaactg agacgaggga gggatgcttt tttgccttta cagaaagatc actattgatg    180

aagttgtaga gtggcacctt tatggatatt gacatacaca cgtgcgagca atggagactc    240

cctgtggtgg cttaacttaa tgcaaacgag aggagcttct tctgctgacg cgatcgtaaa    300
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tatgctactg gattggggac caatacagct acgacatgtg gttattgata agcaacagtg   360

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<210>      6784
<211>      312
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220081f01d1

<400>      6784

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tgccccgaca ccatggaagc tattttttc gcggtccatg tcccataata acccagatcc   120

attataatca catttgggac tacataggct aacgatgcta aagatgatgg ggaacgatcc   180

cctaccaaac cgaaggagac tcacaaacgg gttgctgttc tggcttgggg atggaatatg   240

atgaagacga caacgagggg ttgacaatgg ggaagataat ggcgcatgca attgagaata   300

ccaaatggcc gg                                                       312


<210>      6785
<211>      563
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220081f02a1

<400>      6785

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agctggaagg caccagagg ttggccacaa gagccttctc cagagtgatg ctctttacca   120

gtatattctg agaccagtg tctacccaag agaacctgaa ttcatgaatg aactgagaga   180

gttgacagca aaacacccat ggaacatcat gacaacctct gcagacgaag ggcaattctt   240

gaacatgctc cttaagctca tcaatgccaa gaacaccatg gaaattggtg tctacactgg   300

atattcactt cttgccaccg ctctcgctct tcctgaagat ggaaagatct tggccatgga   360

tattaacagg gagaattatg aattgggttt gccagtaatt aagaaagctg gtgttgacca   420

caaaattgaa ttcagagaag gtcctgctct cccagttctt gatgaaatgg ttaaagatga   480
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gaagaaccat gggagctatg acttcatctt tgtggacgca gacaggaca actacctcaa   540

ctaccacang aggttgatag agc   563

<210>   6786
<211>   369
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081f02d1

<400>   6786

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ttaaaaaaaa aaaaaacaag aaggcgtgca aaaaaaaaaa gcccgcggcc ccccccccta   120

gaaaaaagaa agaaaaaccc ccccccccc ctgttctgca aaaaaaaaaa aaaaggggaa   180

aaacccgggg ggtttaaaga ccatgagggg gggcccccaa aaagcaaaaa cacctacccg   240

ggggcaaaaa aaacaccgg ggggcccgcc cccgacatgg tcaaaaaaaa aaaaaaaaca   300

caacccggcc cccgggggaa attgggcccc aacccccgg gggggagga gaaattttg   360

gcgggggggg   369

<210>   6787
<211>   557
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220081f03a1

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accagagcca gtggttgata agcaagggaa ccctttggag ccaggagtag ggtactacgt   180

gtggccactt tgggctgatg aaggaggcct cacactaggc caaacaagga acaagacatg   240

ccctctttat gttatccgtg acccttcatt cattggcacc ccagtttcat tcttagcacc   300

aggccttgac catgttccaa cactcactga tctaaccatt gatttccctg tggtgacagt   360

gtgtaaccag ccaacagtgt ggaggctcaa caaggtaggg tcagggttct ggtttgtgag   420

caccagtggt gaccctaatg atatcactag caagttcaag attgagaggc ttgaagggga   480

tcatgcttat gagatctaca gcttcaagtt ctgccccagt gtgcctggtg cgctgtgtgc   540

tcctgtggng acttttg   557

<210>   6788
<211>   495
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081f03d1

<400>   6788

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tgattacagt aagactaatg ttctccttta actacttatg aaatcaaaac tcatgctaaa   120

gaagtctttt acggtctatc ttaaagctaa aacaaacaaa ggggaatcgg cagcaccgtc   180

attaaatagt ggatgtcatg caaaatctac aactcgtcct tgacatcatt atcatcgtta   240

acagcatcag tttcaggctt tgaatcttct ttcgcgtcac tttcagcctc tacttcagtg   300

tcatcttcct cctcaactgt tgcttcagga ctgatgtcca ggctagtctt cactgaatca   360

taaatccggg aagcaaaatc cttgggatca tcaagcagga agccgcttta aagagtgcag   420

tctggtacat cagctgtgct gtatgcttca caccctcatc ctcagggttc tttactactc   480

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<223>   Clone ID: jC-gmfl02220081f04a1

<400>   6789

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caaaaccatg tcccacagtc atctaagttt cgcctttggg attctatgta acattgcctc   180

cttcgtgtgc tttctggcac cactaccaac attttataga gtttgtaaga agaaatcaac   240

cgaagggttc caatcaattc catatgtggc tgcactcttc agtgcaatgc tttggatctt   300

ttatgcctat gtgaagaccg gagaaacgct tcttatcacc atcaatgcat tcggttgcgt   360

3024

gattgagaca atttaccttg ccgtatttat cacttactgc ccgaagaaag ctaggatgtc   420

gacattgagg atgattgttt tgttaaattt tgggggattt tgcacaattg tcctcttaac   480

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<223>   Clone ID: jC-gmfl02220081f04d1

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aaaaaggttt gtgacgggcg aagggccata actggtacct cttccaagaa aaccattccc   180

ttaaaaaccg cacccaccaa aatggtgaac actgaaaggg tccttcaacg gtgttgggga   240

tcatctgaaa   250

<210>   6791
<211>   537
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081f05a1

<400>   6791

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tgaacctcgg aggactcaaa gagaagcaag gtttgtgcgg ttgcttgcag gtcaaggcaa   180

acgcacaagc ccctccgaag accatggaga aggttgagaa tgatttgcca tggttgccgt   240

cgtcgctgat ttcgcacgcc ccgaggactt ttataaatca gatacctgac tggagcatgc   300

ttctggccga catcaccacc gtgttcctcg cggcggagaa gcagtggatg atgctggatt   360

ggaagccgcg ccggcccgac atgctcattg acccctttgg gattgggaag atcgtgcagg   420

acgggctcgt gttcatgcag aacttcccca taaggtctta cgaaattggc gcagacaaaa   480

ctgcgtcaat agagacctta atgaatcatt tgcacgagac tgcacttaat catgtta   537

3025

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<211>      370
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220081f05d1

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cccttaaagg ggtctttaaa gcaaaaatcc ctccccccccc aagacccaaa tttgggggcc   120

cacggttttg cttttggtta aaccccccaa ggggcccccgg ggggcccttc ccgcaagcaa   180

aaaaaagggt taattggtgg gggatggccc caaggaattt tgccccccttt tttttggggg   240

aaaaaaaaaa ggacctttat tgccccccct ccccctttttt tagaaacaac aaaattttgg   300

ggcccccctaa cggggggcaac cccaaaacaa aatggccccg aagggaaagt cggggagggg   360

acctttttttt                                                         370


<210>      6793
<211>      507
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220081f06a1

<400>      6793

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tgaacctcgg aggactcaaa gagaagcaag gtttgtgcgg ttgcttgcag gtcaaggcaa   180

acgcacaagc ccctccgaag accatggaga aggctgagaa tgatttgcca tggttgccgt   240

cgtagtcgat ttcgcacgcc ccgaggactt ttataaatca gttacctgac tggagcatgc   300

ttctggccga catcaccacc gtgttcctcg cggcggagaa gcagtggatg atgctggatt   360

ggaagccgcg ccgccccgac atgctcattg acccctttgg gattgggaag atcgtgcatg   420

acgggctcgt gttcatgcag aacttcccca taaggtctta cgaaattggc gcagacaaaa   480

ctgcgataat agagacctta atgaatc                                       507
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3026

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<211>   443
<212>   DNA
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<223>   Clone ID: jC-gmfl02220081f06d1

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gcactcaggt tctatgaatt acttctccag tgtatgacct tctaagcagc agggacctca   180

gtatcattat cagacagagc tggagcaggc tggatgcatt ctgtttcctc ctttggagaa   240

tggattgtga caagatcggg gaggggagta ataggaccct gtttcccctt aggatcccaa   300

tcaagcatga ccttcacctt aatgcccaga acaccctgtc tgaggagcac atgttttact   360

gcagagtcaa tggaatcttt gacaggttgc acaaaacaaa ttatgaaccg tccttaaaca   420

tgataaaatt ggctctctgg gct   443

<210>   6795
<211>   592
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081f07a1

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ggcagcacag attccaatca agatgaccc agttgcaaat gacgcagcac tggaacttgt   180

aaggaaggac aagcttagag aagtgaaggc aggccacgat ggaacttggg ctgcacatcc   240

tggcctcatt ccatcctgca tggaggtttt caacaacaac atgggcaatg ctcccaacca   300

gatagacaca gtgaaacgcg atgatgctgc aaacttaact gaacaagacc tcttgcagat   360

accaacagga accctgacca tggaaggtct cagattgaat acaagggtgg gcattcagta   420

cttggcagca tggctcagcg gaagcggttg cgtgcctatt tacaacctca tggaagatgc   480

tgccactgct gagattagca gggtgcagaa ctggcagagg ctcaagtatg gagtggagct   540

agatggcgat gggcttggag agaaagtgaa caaagacctt ttcatttagt gg   592

<210> 6796
<211> 513
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220081f07d1

<400> 6796

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agaggactga tccaaaattc aatatgcggc ccatggtcta aatccatgac taaaactgta     120

aagctcaaat atactatcct cctaaaagga ttagatgttg aaatacaagt tattccaatg     180

aaagacaaac tctctcgagt gatagttcct tggtatctta gaaggagcct tattcaaaat     240

tgaagctaca cttctgtggg caaaccatgg gaacctacta caaggacag tagccaagaa     300

ggagcgatgg tttctaattt aggcatgact aagccaatgc cttgtcctta gaaagctctt     360

ctgcggtcaa gtccaacttc tttcttgaga actcatcaat gggaagtcct tgaactattg     420

tccattcccc attggcacaa gtgacaggga atgaatagat cagttcagct ggaacattgt     480

gggaaccata agaatatact cccattgaca ccc                                 513
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<210> 6797
<211> 439
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220081f08d1

<400> 6797

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ctcagggaca gccctttaat ttatgaacta cacacgcatc ctgattttca tggatctatt     120

cattctattg ttacatgtat tgagtactgg gggagccatg tattttacat atagcaaatg     180

gggtgatgtg ctgcttcctc cattgtaaca cagcattgca aaccgatacc cttctgtccc     240

caaagatggg agcattcctc ttacagcgcc tttggataat cagcccagaa atgagctatc     300

catttatacg aacgtgccat cttctatggt tgccttctcc attatgatgg tgattcctga     360

tcgaatgtct aatccatctt ctggtctatc tgcttctaga accccatctt tgtttgcgat     420

gatgacatct ttgccgatc                                                  439
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3028

<210>   6798
<211>   473
<212>   DNA
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<223>   Clone ID: jC-gmfl02220081f09a1

<400>   6798

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accttcttac ggccacccaa atccactctc accgcctcaa aatccgtaac tgttaaccct   120

tccccaacag agctatccct tgagaagctc ttcggaccgc cggagaccac cgtgtccctc   180

gaaagatcca gagtcttgaa cggtttcaac attgtgctga gttactacgc caatgatgct   240

caggtgttgc aagccgagtt tgtgaaaagc agtgtgaaga tcgaggattg tcccttcgat   300

ggacttcctg aggtcactat cgttggccgc tccaacgtct gaaaaatctt gctcctcagc   360

tccctaaagc gccagaagaa gctcgccttg aattcgaaga aacctgatag ggcttggaga   420

taggattatg ctgtgctgat cgagggagag ctcctagatg cgcatttcga gac   473

<210>   6799
<211>   450
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220081f09d1

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tactatctta cccttagaca taacaatatc atctagctag ctagctagct agcanatagc   180

attgttaaaa aaccaaccac aaccagattg gcctgagccc attgtccggg ttcagtcctt   240

atccgaaaac tgcgaagatt caatccctga aaggtacatc aagccttcta ctgatagacc   300

atccataaaa agttgtgatt ttgatgatgc caatattcca atcatcgacc ttggggggact   360

atttggtgct gaccaacatg tctcagcctc aattcttaag caaatctcat atgcttgcaa   420

agaatggggc ttcttccaag tcactaatca   450

3029

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<211>   547
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081f10a1

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aatcccaact aattcgaatt tcgcttccgt cgtgtctcct tccatttcac aaggtcaatt   120

catcttaacc caattctgct ctttcttttt agtcttttac tatgcagtct cttgttattt   180

ctgttcctta attccgcgcg taggtacaac atttcacgcc gcttaacgtt agggtttcaa   240

atttgacaga tcttgccaat tcgttttttt cttttctccc tgcttttttaa agcacttcgc   300

cgattcggtt aaagactttc taaatccaaa atttcatggg aagcaacgat aatttcggcg   360

acgggatttt caaaacccgt ccccatctgg cggacgtcac gaatcttccg gccaaaaggt   420

cgttatcttt ggttttcggc gacggtgggg acttgcagtt caccaagaaa attcgcttat   480

gggtggaaaa gtttgcacaa gggaaaagcc caatgcaatt tggggcacat gcctacctta   540

acaacga   547

<210>   6801
<211>   417
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081f10d1

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actttgatca gcaacaatgg caacctactg gagccatgct aagaaaacca tcccttcttc   120

cttggggaaa ccagttactg ttagtgccaa aacaacatca ttatacctca cactctcaat   180

taccatacct gtgttaccct tcagctgatc aaaccactct ctcaccgaaa accttaagct   240

gaactccact ttgccacact tttgcttgtc ttcagttccc aagaaatctt tcacttgtag   300

aagccaggct gagcctgttg actctgaaaa agtccaagag ttgactgtgt atgatatcat   360

cgagcgtgac cgaggaagcc ctgtttatct tcgattgagc tataaaagtg tcaattc   417

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<211>      512
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<213>      Glycine max

<223>      Clone ID: jC-gmfl02220081f11a1

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gggcagagga tatgccaact ttaatagatc gaaaggacaa tgtctttatc atttccaatc    120

ccaagtcaaa gtatccagtt cttcaattag acttgagatt gatatcagat ctcgcagttg    180

tcattggctc tgcaacctgt ggtggcattg cctttgcttg tgctggacaa ccggtgatga    240

ctggatatct gctagcacga tcaatcattg gacctggagg tttgagtttt gttagtgcaa    300

tggtccaagt tgagacagtt gctcaatttg gtgtcatctt tttgctcttt gcattgggct    360

tagagttttc aacaacaaag cttttagttg ctcgggcagt ggctattctt ggaggcctac    420

tccaaatttt cttatttatg tgcttgtgtg gaataacagc ttcattatgt ggtggtaaat    480

catctgaagg aatatttgtt ggtgcatttt ta                                  512


<210>      6803
<211>      504
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220081f11d1

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gggttgacag aaacacgcta tatacgtgag aagccaatga gagctcatgc aaggtaacag    180

gtacactaac aaacttagaa gggggctaca acggatggtc gggagcatga gcgacaacaa    240

tgactgctgt ggaaggcatg cttattcacg aggaattgtg gcttacacaa cggctgggac    300

ggctcaatta agagcaaggg ctcctgaacg ctttaagtat tcccatttct tgagaatggc    360

accgccgccc gccgatctgt tgttgaggca ctggaacctt cctctatgtc gacagcagca    420

actgtgtccc gagctccgat tattgtgggc aaaacgtttt cactgaacgg atccaccatt    480
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acccggggg tcggtgtgac aatg   504

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<211>   430
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081f12a1

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ctctctgtca tggtcattgg aggagccttc cctcgtttcg acccaatcac caaatgtagc   120

acccaagacc gctccaacca gaccatcggc tcggacctcg atggcaccct tcttgtgatc   180

ccggagtgcc ttcccctact acttactcgc cgccctcgaa gccggcagcg tcttgcgagc   240

ccttcttctg ttaaccttcg tcccgttcgt ctacttcacg tacttcgagc tcttcgaagc   300

cctagccatc aaaaccctaa tcttcataac ctgcgcgggg cttaaactaa aagacgtcga   360

gctcgtgtcc cgctacgtgc tgtcgaggtt ctacgccgag gacgtgcacc ccaccacgtg   420

gcgcgtgttc   430

<210>   6805
<211>   404
<212>   DNA
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<223>   Clone ID: jC-gmfl02220081f12d1

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gtgcaaaaaa gatattcaaa tggactttga aaagatgggg gggaggttta gcgtaaattt   180

tgggactgac ggtttcccat aaactttaat aggaattgat gataataaca atgttcgtaa   240

gctgcaattt agagggggga ataaacacaa ccattcgttt tccctctaat attggtaaac   300

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atcaaattcg tctatttcga atttcgacta ctctacttat atgg   404

<210>   6806

<211>   530
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220081g01a1

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gggcgcccgg cggagcggca agcccccttca ctacaaaggc tcgtccttcc accgcgtgat   240

ccctaacttc atgtgccagg gcggcgactt caccgccgga aacggcaccg gaggcgagtc   300

gatctacggc gccaagttcg ccgacgagaa cttcgtgaag aagcacactg gtcccggcat   360

tctctccatg gcgaacgccg gtcccggaac caacggatct cagtttttca tctgcacgac   420

gaaaacggag tggctcgacg gaaagcacgt cgtgttcgga caggttcgtg aggggatgga   480

cgtcgtcaat gagatagaga aggttggatt cagcttcggc aggaccgcca   530

<210>   6807
<211>   415
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220081g01d1

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ctcataacag actccattca ctctatgaac gaaccacatg atcccgatat tttagaacgg   120

aacggaagga tccaaagggg aagggtttcc aaatgatatc cataacaccg caagcccctа   180

aacgacatgg gaaagagaaa aaaaagggaa aaacgacccc gaaagaaacg gctcattgag   240

agccaccgac acaaagataa aagcctaggg tcaacgtcgt ctatctaaga gagatgacca   300

cagacggcga cgactacagg cttggcggac ctgccggaac tggatccgac cttctatatc   360

tccttgacga catccatccc ctcgacgacc tgttccgaca ctaagtgctt ccgt   415

<210>   6808
<211>   487
<212>   DNA

3033

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081g02a1

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tcaaatgggc agcgtcgtca atctggggaa gcattggcag agtggcggtc ttctgagcag   240

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ggaccacaac ctttggcatt atatggaaga tctacgggga agatagaaaa gttttctcat   360

attaccaaag gggaacttcg ctctagtgca tttgaggttg gcggttacaa atggtacatt   420

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atcatga   487

<210>   6809
<211>   391
<212>   DNA
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<223>   Clone ID: jC-gmfl02220081g02d1

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tgaggacacg cttcgtaacc ctttaaggac cacttgatgg cctgaaaaca gtataaccat   180

tgacaccaca tgctttattt gagtaatcgg gggaggatcc ataactataa ttctgtgggg   240

ttgtcatacc taaaggcaac agatcagaac ccgccacctg ccattggttt ggaatcaacc   300

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aatgataatg cccaccagac aagccatacc c   391

<210>   6810
<211>   553
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220081g03a1

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gtttatagaa attgtgaagc tatactgttg taattgtcat gtaaattgtt ccctttttca   180

tcttacttga tttggtaaac tccggttact tgtatccaaa taagatgggc catttgtatt   240

gcgggggctt tgtataattg tacaattatc tacttgtaag aagttcagat tcgggcgaca   300

acatttgtaa tgcagaatta ggtcattaac attgtaaatc ttctggcgat gattggaata   360

tcaatgtgaa gacgctatat gacttctgct atgacaatat cattgtggtt gtcaaggtat   420

ttttgaagaa atatcgtgga tttacaaaga atctggttag gcttctacaa ttctttaagg   480

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attcagtatg tat   553

<210>   6811
<211>   354
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220081g03d1

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acatgccacg agatccatct attatggatt gatgttgcat tctcgcaaat acacaagatc   180

atagtcaaca tactttgtcc aataacctcg gaacttggga aaacttatct caagccacgg   240

tttcatgttt gcattgtagt gtataacagc agcaaatttc cttgtcctca aaaacaactt   300

tagtaaatat taaaaggaat gggcggccgc tggcgatcta aaactagtct cgag   354

<210>   6812
<211>   542
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220081g04a1

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ctgtcaattt acattggaaa gggttaggat attcaatttt acataattaa agataaaatc   120

aacgatagct atagttttaa aattaaccat cgatttagtt gcaactggaa cacaggtttc   180

tttcaatgaa ataatattaa tatcaattta ataagctggt aatgtaaaat actgctaatg   240

ttaatatgaa gtttggatgg tcttattggc agaagatgct aggtggtgtt catcaatatt   300

ctgaaaggta aaacgatttt ggtttttaat gataatataa ccatgaatct aacatcagat   360

attgaacgct acacatcaaa aataaatcga gccaacgcat ttaattgtaa gtgtcttcat   420

attacctgtg ttctgtcaca tcttttttgca taatattggc actaagtctt ttttgataga   480

aattgtgaag atgtactgtt atcattgtat caactatatt gtgcccttct tttttatttg   540

at   542

<210>   6813
<211>   433
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<223>   Clone ID: jC-gmfl02220081g04d1

<400>   6813

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tcggggactc gcaaacctcc ctatctctgg tggctttttaa actttgaaac cataaggttg   120

ggcccctgtc ataaagaccc tttccccatg ttgcttaaaa gaaccttttt tcctcccact   180

taaaatttgg gcccgaaggc ccaaaaaatt ttaaacagga agatttcggg ggatttaatt   240

tgttccccaa ttcgaattgt gggaaaaaac ttttccccac gggtaaaatt tcacaagttt   300

ttaaaagcat ccccccccccc tttgttccca gggggatccc cattgtgcct aacaagggggg   360

ggcgggacaa atttttctaa aggagggggg aagagccccc ctttctattt tatacccggc   420

ttttttccccc cct   433

<210>   6814
<211>   401
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081g05a1

<400>   6814

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gatgggtatc tcttgaaaag gctctgatca aatcttggaa aggtatctat atttgcacaa   120

cgtacccaat aacgaggact ttgaccctga tacacgcctc aagaatcatg cattacacaa   180

atatgatagc gtgccagcca ttcaattgac ctttgcctcg gggacacaca cgcgagtact   240

atatttagac aaaacgactg ttaccacatc gatgaacatc gaccctgact gttaaacgat   300

ctaggagcga caccggcgaa tcttgaaatg cactccgagg agggcctcat aggatgaaca   360

acattcttat ctgccacagc ccattttata tagccagaaa g   401

<210>   6815
<211>   388
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081g05d1

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gccccgatag actaaaccat gcgccttcat tgtttagact ttagcgcaag gatggcacct   180

tgccgcttgg aaacatatgc atggtatggg ccctatgaag ggccattcct ggtccctctt   240

ccatgataac cattcccttc ccttcttcac caacctttca ttcaaaacac tgaatcattc   300

caactccggc gttggggatc atctgcatag ctagtgaagc acccgggcag cttgttctcc   360

cagctccgaa tgacaaaagt tcaaaatg   388

<210>   6816
<211>   408
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081g06a1

<400>   6816

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3037

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ggtacacgct ttcctgttct ttgaccataa tggcggcagc aaaatctttg tattacataa 180

atatgatggc gtgcgatccc tcccatagtc cgttgctacg gtgacataat tgctccatct 240

ttcttcagaa aatgcaactg tctcacaacc aaggaagatg gatttctacc gattcacgct 300

ctgcgaggtc gaccgtgcgt ttcttgaagc tcatgatatg ggggcccttc tacgatggac 360

tctattcatg tctgcccaag acacttttaa tgactaagat tgtctgag 408

<210>   6817
<211>   337
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081g06d1

<400>   6817

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tctcttggat cctacatatt tatacattcg ttcataaatg agatgatatt atcttgtaca 120

cgttcataac agacacgagt gggataatta agtactcata tacatgatac tcataatagt 180

acatcgcaat cacaactttt tttcgctggc cgttcaaacg gctccagata ctatcaatgt 240

cctaaatcag tagagggatg tcgatcaatt ttccacacca atgttttaaa cccagagatg 300

ctacagttga taaggtgaag ggttccttcc ttccgga 337

<210>   6818
<211>   511
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081g07a1

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ccgtttgcag aacatcccat aaaagcttag cttgtattca gtttctcttc tcccaacgtt 120

tttgtcgcta gtaacagaat attacaaagt aacggctttc tcagtggagc gcttgatttg 180

ggttggtggg tcaacttcaa gtttcaattt ttttttcatt tttgtctggt cgattgagaa 240

ggctcagttg cagagacggt gggggtggga aggttatggc tttttgccca attttttgtt 300

gcggaaatag ttcggatcgc aaaggacgag ggaagaaaca acctccatgg cgggtgtttt   360

ctttgaagga attacactcc gctacaaata atttcaacta tgataacaag ctcggcgaag   420

ggggattcgg cagtgtgtac tggggccagc tctgggatgg atcgcaaatt gcagtgaaaa   480

gattgatagt ttggagcaac aaagcagaca t   511

<210>   6819
<211>   472
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081g07d1

<400>   6819

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aacactacaa gatatggaac atgtctttga caacaaacat tgcacacaag aaaaactagg   120

cactcagcta ctatgaagaa cttctacagt gtataacttt tcacgcacac agggacctta   180

atatcattag cagccaaaac tggagcaggc tggatgtatt cttcttccta ctttggagaa   240

tggattggga caagatcagg gaggggagtt ctaggaccct gttttccctt aggatcccaa   300

tcacgcatga atttcatctt aatggctaga acaccctgtt ttacgagcac atgtctcact   360

gcagagacaa tggcatcgtt gactggttgt ccagaagaaa tcatgtcacc atccttaaac   420

ttcatagatt cgggtatctg gctttgacc tgaacactta caatgacctt gc   472

<210>   6820
<211>   534
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081g08a1

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aaggacagta agcctatcca actgaaacaa ggtaatgaaa taaccatttc cactgactat   120

gacctaaagg gtgatgagaa gacgatttgt atgagctaca aaaagctgcc tgaggatgtg   180

aggcctggga tggtcatact ctgcgcggat ggcaccatat catttacagg tttatcatgt   240

gacaaacaag cgggtttggt tcaatgccga tgcgagaact ctgccactct tggtgagagg   300

3039

aagaatgtta atttgcctgg agtgatagtg gatcttccaa ctatgacaga caaagacaag   360

gaagatatct tggcctgcgg agttcccaat aaaattgaca tgatggctct ttcttttgtt   420

cgaaaaggtt ctgacctggt gggagtcacg aaagttctgg gaaaacatgc caagaacatt   480

atgctcatgt ctgaggtcga aaaccaagaa ggggtttgca aatttgatga aatc   534

<210>   6821
<211>   519
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081g08d1

<400>   6821

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gaatgttagc ccccaccaat agactacaat ttttgtgaca tagtatgact tgcaaaccaa   120

ttgctacaca atgcgtgtgt tcttgctata cattcatcag ttgtctaagg caatacaatt   180

gatcttaaaa tctatgcaaa acttctacca ttcagtacca ctgttatgga agttttttgc   240

agaacctcaa gtttaggtcc atagggaaga aaaaaaagtc accagctaca taattcaagt   300

gctcactagc aatcttacaa acctggcatg aagactttgc atgtcccaaa atgacaggta   360

ctttgaagtt tatcagtgga cccaaattgg ctgcttcaac ttgagagatg gaaagaatgt   420

gatgtgatct atgcaattgc atttgacaaa caagtgggcc atatctccat ctgaaaggca   480

ccaaaactat gttggacctt gaccatattc aagtcagac   519

<210>   6822
<211>   410
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081g09a1

<400>   6822

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cctgctgaag tcaatgacat tttttttcgat gattacttca aggctaactg catcactgca   120

aagctcacag gtggctttgt ctttaagaga aaagagcgtg gagctgcatc tggagggcga   180

gaatgttgct cagtgctggc accaccacca ccggcctggc cgggacgagc ggtttcagag   240

caaggcagca cgacttggga tggaccaaaa cccatttcaa ttgttgggtg tactggtaca   300

aatggaactc agacactaca tattgcggca gacaatccac ataagtataa agttgtggca   360

cttgcagctg gacaaatgtt actgttcttg cagaccaaga taaaagattt   410

<210>   6823
<211>   497
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081g09d1

<400>   6823

gcacatacca aatggttttt tgttgatgtc aaaggtcctt gcaaggctcc tattgaggtt   60

caagttgatg gaacaattca agcacctgca aacccaactg accttaaggc ggctcatcaa   120

tggtttgttg ttcaatatgt taactctttc accctgtccg gtaaaggtga ttttgatggt   180

caaggggcaa ctgcttggaa acaaaatgat tgtacaacaa acaaggactg caagatgctt   240

tgcatgaatt ttggtttttaa tttcctcaat aattcaattg tccgtgacat tacttccaag   300

gatagcaaaa actttcatgt gaatgttttg gggtgcaaca atttcacatt tgatgggttt   360

aaagttagtg caccaaaaga tagccccaac accgacggaa tccacattgg aagatccaca   420

gatgtgaaga ttcttaacac agacattgct actcgagatg actgtgtctc attgggtgat   480

ggtagcaaaa atataac   497

<210>   6824
<211>   225
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081g10a1

<400>   6824

gaactctcac actgtaaatc ttgtagagtt gatgggatga gcacattctg catttcttgc   60

gctgtggaag tactcgactt ccattcggat aagaactgca tggctagccg cgacacatgt   120

gtaattcaga cacagggctg ttaaaggaga cagaagagct ttggatctat atggggatcg   180

ctgggatgct gaccatcgct tgtaacacca actacctctt ggacc   225

<210> 6825
<211> 478
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220081g10d1

<400> 6825

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agatcttcga tattctgccg atctcccatg tatcaacgtt gggaaaccaa aaaggccaac 120

ttacattcct cttgaggtcg tgccaatgag tttcagaaat gaattgcatg gtccacgcca 180

aaatctacga cattggtaca acagctgcta catgagacaa ggagcactag ccatacacaa 240

ggcaatccca aatttagtta atgtgtaatt ctggaatatg gcttctgaaa caataaagca 300

aaaattggtt tttactggaa gtgaagaagg aaaacttgca ccaattggtc aaagctttgc 360

cgaggatatt ggagttcttg agtgctgaaa taagccgaac atcattggtt ggtattgtca 420

aatatatatg ttagtctatg cttgaagaag tgatttttac aggaggctgc aaatattg 478

<210> 6826
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220081g11a1

<400> 6826

agccaatcct tgattttctg agcatccata cacacatagt ctggatttgg aaaactctaa 60

gggtgcagat aaaatgtgaa ccaggacggg acgagcgcac gtgaacaaac accttctgtc 120

ttacataacc ggaaaccacc ttaaacacgc agatgtcatg ggccttgact gactcgtttg 180

ggatcatagg accctcttcc ctccaaacaa acgtggtgag ccaactgcga tgattaatga 240

ctgtaaggac cctgtatcgc tcgcttcaag aggattg 277

<210> 6827
<211> 594
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220081g11d1

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ctgtggtcgt cctttttttt tttttttttt aagaaattaa ttgttgtcat tatatattaa   120

tcaatccaat acacagcaca caggaaaaag gccccaaaga ccttttaccc ctatgtgaaa   180

gagggttctc ctgtcttgga aacaaataaa aaaattcaag gtttttaaat taaaacctat   240

atatacacgt gtttacatca cacgcgcgga caccagccat tggagtcctg tatagttagg   300

ccaaaactca tggccaaaaa taggaaaaaa tatataaaca gctcccgcaa agaaaaacca   360

agaaaagaa aaatcacacg tacacacttc attggcacgc accagaaccg actgcacacg   420

tgccaatacc caacaaaaaa agtccacgag ttgtagccaa acttcaactt attgcccttc   480

aattgttctt tactgttgag ggtcccatca aagtagtagt aacgtggatg atgaagaagc   540

agtgatgctg gccaagaaat gaagctttgc ttgacttatg aataccatga tatg   594

<210>   6828
<211>   473
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl0222008lg12a1

<400>   6828

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ccggcgacat ctccggtcag gttccggcag cctctccggc gactcggcat ggcaactcaa   120

tgaatgcgga atcaccgccg gggctcctca tgtcggcttc ctgcctctcc gactacgacc   180

tcctctgcgg agaggactcc tacggaatcc tctccggaga gtcgccggag tgctccttct   240

gcgacatcga ctcctcacct cctgcgccgt cgccgacgac agaggattgt tattcgatcg   300

cgagcttcat cgagcacgag cgcaacttcg ttccgggatt ccagtacctg acgcggttcc   360

aatctcgctc cctggacgcc aacgccagag aagaatcact ggatggatt ctcaaggtac   420

acacgtacta tggctttttag cctttgacgg cgtaccgtag ccgaaactat atg   473

<210>   6829
<211>   466
<212>   DNA
<213>   Glycine max

3043

<223>   Clone ID: jC-gmfl02220081g12d1

<400>   6829

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agggttctcc tgtcttggga acaaagaaaa aaattccagg cttttatatt accacctata   180

tatacacgtg ttgacatcac acgcgcggac accagacatt ggattccaga atggttagga   240

ctaacctctg ggcccacagt atgatttaat ctctaaacag ttcccgcttc gaaaaaccag   300

catgaagaaa aatcacacgt acacacttga ttgtcgcgca ccataaccga ctgcacacgt   360

gccaataccc aactaaaaaa gtccacgagt tgcagcccaa cttcaacgta ttgcccttca   420

attgttcttt actgttgagg gtgccatcaa agtagtaaga acgtgg   466

<210>   6830
<211>   528
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220081h01a1

<400>   6830

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gtgcggcaag gatcattgcg gccaacaact gtcggttcaa cagctcgctt agcggccaag   120

gataatgact ttagagacag tggcactaac catagatagt atatcttgac atattcttgt   180

ttcaacagtc aatggtgtgt gccagcttta ttgtgcctat agttatggaa ttgcttactg   240

gctcctctca accagaaata tgatgttgct tacatccact tacatggtaa tggcatggtg   300

cacacaacca aaccatcatt tggcagtgaa agtggacagt cgaataaaaa tgtataccct   360

atttttggc tatttgaggc tgtatagcgt taatttatag tctgcttttt gtatcataga   420

tagtagccgt tactgggtat agcttgaatt ctttgtagga ttatatagca tagcttcata   480

ttatagaaat caattccttt canggaaaaa tggaatcgtt tgagtaag   528

<210>   6831
<211>   403
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081h01d1

<400>   6831

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tatacccagt aacggctact atctatgata caaaaagcag actataaatt aacgctatac   120

agcctcaaat aggcaaaaaa ataggtatac atttttattc gactggccaa cttcactgcc   180

aaatgatggt ttggttgtgt gcaccatgcc attaccatgt aaggggatgt aagcaacatc   240

atatttttgg ttgagaggag ccagtaagca attccataac tataggcaca ataaagctgg   300

cccacaccat tgactgttga acaagaata tgtcaagata tactatctat ggttagcgcc   360

actgtctcta aagtcattat acttggccgg taagcgagct gtt   403

<210>   6832
<211>   508
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220081h02a1

<400>   6832

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ggtggaatat cgggcttttt gtttattttt ctgataatat tcgcttcgtt ttgggccggg   180

aactcgttcg tgacgtttct ttcgggggtg gtgcctcacg tgatgctggg ttacaccatc   240

gtggttgcga ttctggcata cttcttgctc ttcagtggct tcttcattaa cagggatagg   300

attcccagtt actggatatg gntccactac ttgtcgttgg tgaagtaccc atacgaagcg   360

gttctgcaga acgagttcga tgaccccgtc aagtgcttcg tgaggggtgt tcagatattc   420

gataacactc cgcttggctc gggtgccgag cctctgaagg tgaagcnttt ggagaccatg   480

agcagcacgc tgggaacgaa gatcacca   508

<210>   6833
<211>   416
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220081h02d1

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atattaaata agaactttac tttaagcagt tgaggattga cgagtgtttg aatgcttgta   120

gcaagcaaat atttaaggaa gtagtaaaaa agattacaat gttttttttag cagaatacca   180

acaatgcatg cagttggcaa gaacagaaca aattgattaa aaaaaaaaaa aattgcccaa   240

atacaatccc gggagctata gcaacaaggc aatctaacaa caacatgatg atgatgatga   300

tgatgatgat gatgatggcc anctcctttt gttcttgctg cccagtaaca atgacaaata   360

gaagaggaac ctaaagaaga atccccaagc caccgtgatc cagaagcagt tccact   416

<210>   6834
<211>   374
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081h03a1

<400>   6834

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caaccatacc atagcctggg accgcaatgg caccctcctt gtcgcccgga gcgcctatcg   120

ctactacttc ctcgtcgtcc tcgaagacgg cagcgattta cgagccctac ttataataac   180

cttccgcccc ttcgtgtact acacgtactt ttgactctcc gaaaccctag ccatcaaaac   240

cctaatcatc ataaccttgg cggggcttaa actaaaagac gtcgagcacg tgtcccgctc   300

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gttcggaggg aggc   374

<210>   6835
<211>   410
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081h03d1

<400>   6835

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3046

tagtaaaaac ctcctgctca tgctgtttaa tcttctcctc cagatccaat tcctctcttt 120

tctttcccat caagttcttc ggcacgggtt tcttgaacca cgacgagtcc atgattttg 180

aaattgtgat tcgcgtgttc gggttggggt cgaggagctt ggtgatgacc ctccgcgcct 240

cggaggagaa ccacggcgga cacttgaagt caccgcggta aattttttttg tacaaggcca 300

ccaggttgtc atcctggaag ggtaaaaaac cagcaagaag tccgtagagg attacgccac 360

aagaccaaat atcggccttg gcgccgtcgt agcctctttt cccaatcacc 410

<210>   6836
<211>   562
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081h04a1

<400>   6836

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ttccagatcc ttctcctctt ccttcaggga agaaagagat acctttggac ccattcaagt 180

tccctccgac aaattatggg gagcacaaac tcaaagatcg ttgcagaact cgacatcgg 240

tgggccccgc gaacgcatgc ccgaacccat cattcgcgct tttggcgtct tgaagaaatg 300

cgctgctaag gtgaacatgg agtatggtct tgatcccatc gtgggagaag caataatgca 360

agcggcacaa gacgtagccg agggaaaact aaacgaacat tttcctctcg ttgtatggca 420

aactggcagt ggcactcaaa gtaacatgaa tgctaacgag gttattgcaa accgagcagc 480

agagattctt ggccataagc gcggtgggaa gttcgtgcac ccaaatgacc atgtcaatag 540

atcgcagtct tctaatgata ca 562

<210>   6837
<211>   126
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081h05a1

<400>   6837

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gatggctatc tctggagaag gccctgatga aatcctagga gggtttctat gtttgcacaa   120

ggcacc   126

<210>   6838
<211>   60
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081h05d1

<400>   6838

aaaaacgatg gaacaatccc ccagcttttt gaattgaagg atctgggaac agaaaaatcc   60

<210>   6839
<211>   605
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220081h06a1

<400>   6839

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tcctcctact acactcagtg tggagctaga tgactcattt ggaatgttgg atggtctcaa   180

ggaaaacagg tcaagacaac gtttgaggcc atctgattct aaagcatgta gagagaaaat   240

gcgaagggat cgacttaatg acaggtttat ggaactgggg tctatcttgg accctagaaa   300

gcctctcaaa atggacaagg ctgttatatt aagtgatgca gttcgagttg tttctcactt   360

acgagaggaa gctcaaaagc tgagggagtc cactgagaat ctacaagaga aaatcaatgc   420

attgaaggat gagaaaaatg agcttcgcga tgagaagcag cgactaanag tagagaaaga   480

aaaccttgag cagaaggtta aatgcttgag ttcacaacct agctcttctg ctgcaacaaa   540

gacaagttgt tagcagcaag ctggtgccat tcatgggcta cccaagagtt ggcatgtggc   600

agttt   605

<210>   6840
<211>   165
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081h06d1

<400>   6840

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ctttgaacct ctaactacta ttgctaactc ttgaacgtaa cataa   165

<210>   6841
<211>   531
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081h07a1

<400>   6841

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agagaaaaac ccactctctg gactacccac tggaataacg acatctccgc tcgaaatcac   180

ggttcttcga ttcgactcag ctatggcgag cttgactcgg agatcactgt ctcaactcgg   240

aactatatta tcgatgaaga aaattccggg tttggatcca cctttctttt cagctattac   300

ttgctcctag tgttgcttca gccatctctc gccgttgatt tcgtccaaat cccctagatc   360

tgagccgtta gggggcaatc aacggcgttt gtcatgtcaa ttggtatata gaaaaaggtt   420

caaggcttgg tgcagaaatg gatgctcata ttatcttgct tggtatttgt gattgaggct   480

ggtgaaaatg ataaacaat ggagccccct tctttatatg attctggatc a   531

<210>   6842
<211>   177
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081h07d1

<400>   6842

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tgaaatagaa taatatgggc cacccaacat tcttgtaaat agaggctaac acgttacatg   120

ttgcactaaa ctcaagagtc aaactgaatt ggccacaata aattgcatct gcctagg   177

<210>   6843
<211>   557
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081h08a1

<400>   6843

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cgtggcggcc gtgtggattc aatgcatctc cggcaacaac tacactttct caaactactc   120

cgacgccctc aaatccctca tgcaccttac tcagctacaa ctcaacaacc tctccgtcgc   180

taaagacgtt ggcaaagcct ttgggcttct cgcgggcctg gcctccgacc gcttacccac   240

ttgggccatt ctactcatag gctccgtcga aggcctaatt ggctacggaa cccaatggct   300

cgttgttagc caaagaattc aacccctccc ctactggcag atgtgtgtgt ttctgtgcat   360

gggagggaac agcacgacgt ggatgaacac tgccgttttg gtaacatcca ttcggaactt   420

ccgttcaaac agaggacccg tttcggtgat tctgaaaggc tttgtagggt tgagcactgc   480

gatattcact actctctgtt ccgctctctt cgccgacgat cctggctcct tactcatcat   540

gctctctgtc attccct   557

<210>   6844
<211>   504
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081h08d1

<400>   6844

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tgaataggac tattatttcc ttcaacaaaa cttcatcctt caatcatcga aggactctcg   180

gcattgcaag tcccagagtg attcataaca accgcttcgg atgtgtctct ctgaggcttc   240

aggttcttgt catctttgtc tctgtggttt ccttcttttt agccataggt ggctacatgt   300

acgtgcttcc aagccttagc cacgcgtttt tcaatggcca agctcccttg ttattatctg   360

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aacataacag caacggatca gtgagagaat gtgatgtatt tgatggaagc tgggtgcagg    420

ttaaaaaaga tcacaccttg tacaatgcca cagagtgtcc ttttgtggaa cgaggattct    480

attgtttagg gaatgggagg agtg                                           504


<210>       6845
<211>       295
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220081h09a1

<400>       6845

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gctgttgaag ttcttgaatt ttcttcgcac tcacatcacc tttgctgccg cgctagattg    120

taggacaggc cagcaggctt ggacaggaga cagaagatct cgcttctgtg tctggatggc    180

tggaatggtg aacattggtt gcaatcacca accacggatt ggtcgatacg tgcgctgcaa    240

gatactcact tggcgactcg gaatcaacga ttgccagtta tgataactcc atgga         295


<210>       6846
<211>       471
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220081h09d1

<400>       6846

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cttttgtttt tgttttttctt accctctttt ttcgaatctg aatcgaaatg gcttaggaga    120

ctgagacgtc tgcttttttag gccgtgatca accagctcct cagtctaatc atcaacacct    180

tctacagcat caaggagatc tttcttcgag agctcatcag caatgcctgc tgatgacttt    240

ggacaagatt cgatttgaga gtcttacaga caagagcacg cttgatgctc agccagagtt    300

gatcattcac attattcctg acaagaccaa catctcattg tctatcattg acagtggtat    360

tggcatgact aaaggcgatt ggtgaataa cctcggtact attgcaaggt ctgcgaccaa    420

cgaattcatg gaagccctgt ctgctggtgc tgttgagagc atgattggac a             471


<210>       6847
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3051

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<211>        461
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220081h10d1

<400>        6847

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aaagacaata caaccgccca atcaagaaga actÞcatacat ctctcatctc aacgaagagg   120

catacatgca atcagaaaac tctgataaaa attÞtctctaa cactgtacac gtgagggcca   180

aaaaataaaa acgactataa aagagatgtt gagctatttt tccatggata agatgatctt   240

cgccccgtga gttggggtgt gaagctaagg ccaaacatct ccttgagggc cttgcctctt   300

tcccaaaacc tcactaactt ggcaactatt gtagcacttt gcattacgag gttcatatca   360

ttttcgctcc ataaacggtt ccctagttgc accctcctgc gctttgaatc caatgcaatg   420

ccccactcct cgtatagcct tcttcgctcc ttctccgaaa g                        461


<210>        6848
<211>        480
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220081h11a1

<400>        6848

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aatacccatt taccaaactc tgagaagggc tctctaggag aaagaataat gaggtggtct   120

tcaaacaaca gtagcccttg gtaaatgaat cacctcgtct attcgttcta caagccacaa   180

gagggtgaaa catggggccg gtgttgcatc tgctgtcctc acttcaaaca atgccaaaga   240

atcactgacc ttgccagtgc ctttcttttt aagaagaagg gctgatccaa agaatgttat   300

ttccatcata ttgggaggag gacctgggac acatcttttt cctgtcacca gacgtgctgc   360

cacacctgct gttgctgtgg ggggatgctc ccggcttata gacattccta tgagcaactg   420

actgaacagt ggcatcaaca aaatatttgt gctgacacag ttcaactctg catccctcaa   480


<210>        6849
<211>        465
<212>        DNA
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081h11d1

<400>   6849

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tagtccacag tcaagtgtaa caatattccg taatccagta taagccttta ttatttttg   120

ttctatggga aagtagcaca ttactggggc tccacagcct gcacatttgt gtaagaataa   180

gagtagcttt cagtgttggg gttgccctct ctgaacttcg tacaggaaac cctccacgtt   240

ttaagcaaac tttgcctctc aggttcaaca ctcctcttag caggcatgat tgttaagaag   300

acaggaacca ttgctgcaac cagatgctta agtgtgtgac cactgacaat atgtcgcgtc   360

cattcggaga tcacatcatc agtagcctct agcaccttag ctagaagata agaccctgct   420

gcccagagcc aatatgttga atgtgagtac attggacgca acaaa   465

<210>   6850
<211>   411
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081h12a1

<400>   6850

atacggacaa aatctctaac gatttttttt ccttacttta aaataattga tctattgcga   60

taaaccgagt agaggaataa tggtgtagta gtagtggaga gaaatcgcga tctggaacag   120

agtttacctg aaagaaaaaa gaatcgagtt gaaatgggtt tctttggtac cattttgggg   180

tctttgggat ttggggttgg gatttcgatt ggtctctgag gctggctact ttctcttcat   240

ctacttccaa cccaccaatg ttgacgatcc tcagaccaag ccattggcgg agcaagagca   300

agagactctg caacgaatgt atcccgagat tgctctttgg ataaaacatc ccgattttga   360

tcggcttgac tggctgaaca agtttgtaga ttatatgtgg gcgtattttg a   411

<210>   6851
<211>   417
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220081h12d1

3053

<400>   6851

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tctaatgtat tatggacatc tatatattat tggggctcaa cttcgccgcc cttgagcaag   180

gaagcttatt ccttttacac agtatggtgt gtatttatat aaaagaaaac atggatcact   240

acctaaagat tgaattaatt gtttttgcgt gcagaacttt cttttgtcaa cattgaatgc   300

tagcttccat cgtacactct ttggatccgg atcttatgta gtgagccatc tgtcgatttg   360

gcaagttcgt acaggacttt ccattcaacc aggccatcaa tccttacttt gaaaatt   417

<210>   6852
<211>   341
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082a01a1

<400>   6852

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atcgctgcta actttacttt ccattcatgt gacttcctcc ccgagaaaaa aatggcgaac   120

gcagcatata gcctggccgg gcatgatgac tgcaagctaa agtttgttgg agctcaacgc   180

gaagaggacg taccggctta tctgctttaa gattgaggag aagcagaacc gcgtcattgt   240

ggagaaactg ggcgagcctg cagatggtta tgatgatttc gctgccagta tttctgccga   300

cgagtgtcga tgtgctgttc atgattctga ttacagtcac t   341

<210>   6853
<211>   132
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082a01d1

<400>   6853

acattatatt ttttatattt taattgtcag gaacagagga aaacataaca ttcgaaggga   60

taagcaagcc actaaggaca ggaacgaaaa ctgcgcttta actgtggaag tcagaggtac   120

ggcagatgta ct   132

<210> 6854
<211> 341
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220082a02a1

<400> 6854

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atgagaagat acctttactt tacattcatg agctttctgc catagagaaa aatgggaaga   120

gctgaataga ggcctggctc tggcatgatg actgatagct aaagtttgtg tggctcaacg   180

cgaaggggac gtaccgactt atattcttta ttatagaaga gaagcagaac cgtttcattg   240

tctagaaact aggctagcct gcagatgatt atcatgattt ctctgcaagt atttctgacg   300

acgagtgtaa agctgctgtt catgattctg agtaattgac t                       341
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<210> 6855
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220082a02d1

<400> 6855

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ctcagctcgg cggcggccgc cctttttttt tttttttttt tttttcaaag aacacattag   120

acgggacgtg acaggattgc gcgattaagc tatccgaagt ttagcaggac tcccttaata   180

aacggataca gaagattctt cgatgtggtg aggttcagag agatctctgc tggaggtcct   240

caataaaaag cacatccgag agagtcatat gaatc                              275
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<210> 6856
<211> 427
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220082a03a1

<400> 6856

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agagaatata cgattacgat gcgtacaatg atcttggaga tcctgatagc ggcgacaacc   120

tcaagagacc cgttcttggt ggcaatcaac atccataccc aaggcgttgc ataacaggaa   180

ggcctcgttg cgacaaagat ccattatcgg agaaaagaag tagtacggtt tacgttccta   240

gagacgaagg cttgtcggaa gatcatcaac taacgttctc gacaaatact ttatatgatg   300

ggttgaaagc tgctcgtgcc ggcgctgaag acattgatag ttgacaagaa tctagggtct   360

actgtgtgct cagccatatg atgacctgtt ccatgaaggc ctttactcgc ctgctgtaaa   420

aggcatc   427


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<210>      6857
<211>      367
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220082a03d1

<400>      6857
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aaacaataca ccttaatgct agcagccagg ctagcgccga tccactgtca tgcacaccac   120

acactcaaac cgagatgctg tacggaaccc ccttatctgg caccctgct ccgatgaagg   180

cttgaagaag tcatagggca caataccggg accgatccag ctcctactgg ccctatccga   240

attcctggcg tcaataatga ctatgcgctc aatgaactac cctctaaact cgtcaaacgc   300

ggacttaaca aggggtttct gctggcacgc cgggtacaca gtcctcctga gatacttctg   360

gtccggc   367


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<210>      6858
<211>      250
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220082a04a1

<400>      6858
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ggaaaaggca tggtgctctg ctcctctgtc taattctctc tgatgatttg cttccgggta   60

ctgggactgg tgcaagggct gtttccagat tccctgtccc aaaccacgat gttgacacat   120

tccacataac cctcttggct tcctctattc tgtattgaaa agggttcttc tgcttacagg   180

gcggagagag cagctagtgt tcatgggata ggaccaagca ctatgggaca cctactctat   240

acaccatact   250

<210>   6859
<211>   127
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082a04d1

<400>   6859

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gatatacgag gaaatatacg gatagaaaca ggaaactcac tgtacatgtc aaaggaacgc   120

taaattg   127

<210>   6860
<211>   299
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082a05a1

<400>   6860

ggaaaaccca tagtgctcct ctcctctgtc taattctctc tcttgatctc cttttgggta   60

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ttaacagtac ccttttttgct tctcctattc tgtgatgaat tgggtcttct gcttacacag   180

gcagaatgag cacccagtgt tcatggcata ggtccaagca tatgggacac ctactctaaa   240

caacatactg cacaagattg gggatcatcg acccggttac atgagaactg atctttatc   299

<210>   6861
<211>   222
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082a05d1

<400>   6861

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ttataacgta ctacagggct gagagaatta ggcagaatat gg   222

<210>   6862
<211>   347
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082a06a1

<400>   6862

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atgaggtggg ccatgctcgg cgccttgcac tgcgtactca cgcagctgct gtgccgcaac   120

gaagagaagc ttggagaagc cgtgtagttt aaggacggtt ccctgatctt catcgagggc   180

ggactgcgct actagtgcat cccgagccgg atccacgccc agagcatcct cggcatctgg   240

gccacacaag atatcctaat gggttccgtt caaggtcacc gcatcgctgg tggccccctc   300

ggagagggca ctgacccaat ctagccaagt ggaagcttcg acccatt   347

<210>   6863
<211>   544
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082a06d1

<400>   6863

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ttcacattat ctgaagtact tcaccaaaca caaatctaaa aactctcaaa agtcatttcg   120

ttctttgacg ctcactttcc ggggacgaag ttggtggcat aggcccaggc gttgttgttg   180

acagggtcag caaggtgatc ggcgaggttc tccaatggac cctttccggt gacaatggcc   240

tgaacaaaga agccaaacat agagaacatg gccaatcgtc cgttcttgag ttccttcacc   300

ttaagctcag caaaagcctc tgggtcatca gcaaggccca atgggtcgaa gctgccacct   360

gggtagattg ggtcagtgac ctcaccgagg gggccaccag caatacggta accttcaacg   420

gcacccatta ggataacttg tgtggcccag atggcgagga tgctctgggc gtggatcagg   480

cttgggttgc ccaagtagtc gagcccaccc tcgctgaaga tctgggaccc ggccttgaac   540

caca

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<210>      6864
<211>      125
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220082a07a1

<400>      6864

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cagacactga ccaacctcca cctaccagcc ccacttgccc acccaactat gtggacacat     120

aaaac                                                                  125


<210>      6865
<211>      528
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220082a07d1

<400>      6865

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gataaatcat aagacgtaca aaagcacaaa ggtaaggact attattaatt catggccctt     180

aaaaaatact aaaaacacca aggggcatg caaatgatac atatgtaatt attattaatt     240

aagcaagaat ctccttcaaa ggcttggcct caagttttgc cttctgatca agttcttgca     300

aatgcttttc attctcaagg tcctgcaaat gcttttcctt agccagcttc ttcatccttg     360

caatctcaat gtccttgctc atcttcctcc tgtacatttc agcaaaagtg attggttcct     420

ccatcacagg cttctctact tctcttatct tcagagggta aacaagtgca tttggtgctg     480

ggttttgaaa agtggctatg dacaaacggc tatggtttga gttcacca                 528


<210>      6866
<211>      515
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220082a08a1
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<400> 6866

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cggaggagaa gaagtcgacg gtgggagaca aggctccggc ggagaagaag ccaaaggccg  120

gaaagaagct tccgaaggag ggaggcgccg gcggagaagg gaagaagaag aagagaaaca  180

agaagagcgt ggagacatac aagatctaca tcttcaaggt tctgaagcag gtccaccctg  240

acattggtat ctcaagcaag gccatgggaa tcatgaacag cttcatcaac gacatcttcg  300

agaagcttgc ccaggaatct tctagacttg cccgttacaa catgaagccc accatcactt  360

caagggaaat tcagaccgcg gtcaggcttg tgctgcccgg tgaattggcc aagcacgccg  420

tctctgaggg taccaaggct gtcaccaagt tcactagctc ttgaactgac tattatgccc  480

cttcgcttcg atctaagtgt ctctggtagg aatat                             515
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<210>   6867
<211>   486
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082a08d1

<400>   6867

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gataggaata atatacgtct ctgtattagc aactaattcc atacaaagaa ggatcaacaa   60

atcccatatt cttcacttac aaattgcttt caccaaaaag aaaaaataaa ccaacacttc  120

aacataaaac atattcctaa cagagacacc tagatcgaag cgaaggggca taatagtcag  180

ttcaagagct agtgaacttg gtgacagcct tggtaccctc agagacggcg tgcttggcca  240

attcaccggg cagcacaagc ctgaccgcgg tctgaatttc ccttgaagtg atggtgggct  300

tcttgttgta acgggcaagt ctagaagatt cctgggcatg cttctcgaag atgccgctga  360

tgaagctgtt catgattccc atggccttgc ttgagatacc aatgtcaggg tggacctgct  420

tcagaacctt gaagatgtag atcttgtatg tctccacgct cttcctgatt ctcttcatct  480

tcttcc                                                             486
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<210>   6868
<211>   436
<212>   DNA
<213>   Glycine max

3060

<223>   Clone ID: jC-gmfl02220082a09a1

<400>   6868

caccacttct tccacctgat atatgaaagg cggtttatgt agctgtaatg caacgggcga   60

gcaaatctaa cagatcgggt tatgaatccc ttttgaaagt atataaggaa gctgacctaa   120

gtcaggagaa aacgcgtatc ctgggctctc tggcatcttc acgtgatcca gatctaatgc   180

ttgaagctct aaacttcatg tggtcatctg aggatcgtag caggatgct ggtgttggac   240

ttgctgttac ccgggaagga cgagatgttg cttgggcatg gcttaaggaa aattgggaac   300

acctcataaa aacatatggt tcatgatttt tgataacttg gtttgtctgt gcagatgtgt   360

caccgtttgc ttgctttgag aaggccatgg aggtagagga attctttgct acccacgcta   420

tgccatccat tgctag   436

<210>   6869
<211>   408
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082a09d1

<400>   6869

gaatgcttca gtttcataag ggtctaccaa agataagaaa atacgtactg aaatgtgaca   60

agtacttaat gaaccagaga cattcatgtc attttcttat attgacattg taccatacat   120

gcactctggt atgcgagagg atgatccctg aactctcatt tgggttgcat cgtctgatgc   180

ggacgagact tatgtccgga aatatccagg agcgagggta tatgggtaag actcatacca   240

aattctgccc tagccacgct acttttggcg acctctggca aatcgctgta gaccagaacg   300

gaattaacac tgactgccaa ttcctacata gcatcaccag aggctatgat caatctgaac   360

actctgaacc cagtttgcat tgagcttgac cagctcaagg ctctgact   408

<210>   6870
<211>   194
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082a10a1

<400>   6870

ctaaaacatg tgcaaaggat gcttgttttg ctattacagc agctgacctg aagaccgtga   60

ccatggacat ggtcacgggc ctgttactgt tcacgggctt aacgggcgca tctgccctag   120

acatgtagat aatgtcgtac gacagcgctc actccgcctc gacgggcaac gactaggagc   180

tgaagtccat gtac   194

<210>   6871
<211>   272
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082a10d1

<400>   6871

aataattcat attcatacaa tgctaaaaat gattccccca tggggactcg aaaaggactt   60

ccgctacaga gcattaaaac tataacccca tgtccacggc ccccatctgc ctgagacaag   120

gccccgaata gctcacaacg tgataacagt cacttggctc aatgaaacat gtgataaagt   180

gaaggggctg cgtgcctgaa tgtgtataaa tactgcggaa ctaggccata tcataagagg   240

gtctttgcta gccgatcaca tttcctttaa cc   272

<210>   6872
<211>   441
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082a11a1

<400>   6872

tttatttatt gtttttgtct agtacatgtt tcgatcttct cactataatg ctaatgtgtt   60

cttcacctct ccaaaacttg tagctgacga tcttattact cagcaaaaat tcatggaagt   120

tccaatcaag tctccggcaa aactcaccct tagggtggct cttacttgta tcatggcggc   180

caccgacgga gcgatttgtg gctatgacca tggcgatgca ggtggagtga cctgcatgga   240

ttgcttcctg cagaagctct tcccatctgt atatgaatag gagtctcgcg tgaagccttc   300

ttcaaaccag tactgcatat tcaacagtca gatactgaca ctgcttacat cttccctttta   360

tctaagtgct cttgctgcca ttcttggggc atgcagcata acccgaatgt tgagaacacg   420

tgcaaccatg atcatggctg g   441

<210> 6873
<211> 543
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220082a11d1

<400> 6873

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aatcaagttg ataatcaatt gttaaaggtc tttgcagtat acaaagtgaa gatttcatct      60

taaaatgtta tgtacattag agtatcataa agaaagctag gccaataaat tcaagttgtt     120

aaagcagacg tggataaatc aaagactgaa accaacacaa ctagtaatca acatttggag     180

ttcattttgt cgttttggat ggggttgtcc gactccaaaa atttgcccca gatggggtgt     240

ttctgccaaa ccatactcat ttcctcaagt gggatgccct ttgtctcagg caataacttg     300

tagatgaata aggtcatgat caccacaaag cacccaaaga agatgaacaa accaaacttc     360

atgtgacaga gcattgatgt gaagaattga gctatgaaga aagtgctgat catgttgaca     420

ccaactgtga tactctgagc agcaggtcta atctcaaggg gaaagatttc actaggtatc     480

aaccagccta gaggacccca tgaccaagca aaacctgaaa catacacaca gatgatcccc     540

aca                                                                    543
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<210> 6874
<211> 154
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220082a12a1

<400> 6874

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attatattca ggaacagaag aaaagataac ggtcaacgaa gcaagaaaac caggatagac      60

actgaaggaa actggacact cacaatgcaa gtcgaacgca cgacaaatgg acagacgtcg     120

acaagaccgt aggcaagagc caaagaccga ctcg                                  154
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<210> 6875
<211> 416
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220082a12d1

<400> 6875

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acagaaaaga atcattttat tgattattac tgtatttcca tttttgtaaa attacttact    60

gaatcgggca cagatttcac tgccatctta ttacataaaa ccttctcatc ccaccaacac   120

aacctcctaa ctgaatctaa attgcactat atattgattt cactagactt gagaaacttt   180

tgttctcaag tccaagaccc aaatccacaa gaagaaaaat cgagaaggag aaagaaaaaa   240

agaccatcac aaaaacgtgg gaaaaccaaa tccatagcag ctgctgctat taacccattt   300

caagtaacct ggccttcata ttccgttgac tttttacatc tttggaattt cctgtgcagg   360

gttttcgttc ataactagtc ttgctagcat ccagataaga gctcttcatt gacaag       416
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<210> 6876
<211> 536
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220082b01a1

<400> 6876

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cacgattcca cgaccttatt ttggagccgc ggtggcggta gcggtggccg gcgattgtag    60

cggcgtagga gcaagaaatg gttttatgtt gtgaggaaga ttgttaagct gtgggaatat   120

gtcattgaga agcatagtcc gtgaactcaa ggagatgaga gatggaatag gaagcacatc   180

aaagcggggt gcagaaagca agcatcggct cagtcggaca aagtcacatg tagctccaga   240

tgttcttgca actccatttg aacctattca acagggacaa tgggcaaatc taccatcaga   300

attgcttttg gacataatcc agagggtcga agagagtgag acatcttggc ctgcccgtgc   360

tgttgttgtc ttttgtgctt cagtatgtaa atcatggagg tccattacaa gagagattgt   420

caagactcct gaacaatgtg gaaggatcac atttcccatt tcattgaagc agcccggtcc   480

gcgtgattct ccaatacagt gctttatcag gagggacaaa gaanactcta catatc       536
```

<210> 6877
<211> 474
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220082b01d1

<400> 6877

3064

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acaggaggac aaatagatag acagatggaa aaagagatta gagagccagt ctattaggag    60

agggatacag caatttgaca gtggaagata agagcagggc aaatcgactg aagaggtcgt   120

aaacgtagcc aaaggcagat acattggagt gaggcttcac ctgtgagcca caggcctgtt   180

tacaggcaaa gctgctcaag cagatggcgt aggcttgaaa cgttgagagt ggataacagt   240

aagccatggt gaatatgtct tttccaatct ttccaaactg cgagatgacc ttcactggct   300

cctcggcaga gatattatga gatggatcag cagctggtac aagttgaaag ttcttaacag   360

aagccactga aacgcgaccc ttgaagttca gacaccagca ctgtagctga tcatgccatc   420

tgggagcctt gttattcaga gctaattgct cggttgagcc ttgggtcaat actg         474
```

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<210>      6878
<211>      449
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220082b02a1

<400>      6878
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ctcaaactca ctgacagttt attatctatg ggggttgcta ggttaattaa tacaaatcag    60

ggggatgcga tgttggctat gccagctaat gctgttcaca agctatggaa atggcagaga   120

aatgagcgga acactactgg gaaggccact gcaagtattc aaccacaact atggcaacca   180

tctagtggaa tactgatgac taatgatata agtgatacta acccagagga tgctgcgtca   240

tgttttgcac tgtcaaagaa tgactcatat gttatgtctg cttcaggggg gaaaacttct   300

ctattcaata tgatgacatt taagacaatg acaactttca tgccaccttc accagctgcg   360

acattacttg catttcatcc tcaagacaat aatattattg ctattggcat ggaggactct   420

tccatacaaa tctataatgc tagagtgga                                      449
```

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<210>      6879
<211>      211
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220082b02d1

<400>      6879
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attattatca ggaacagagg aaaatataac attcaacaca agaactgaac cacaatataa    60
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aaggttctac tcggcacttc acctctgcat gtacatagaa ctggctgctg atgatccagc   120

tggcacagcc actgctatct attcatcatc cacagactca gaacatgatg gactaaacct   180

tgagggccag ggaaacagaa ccggacaacc t   211

<210>   6880
<211>   250
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082b03a1

<400>   6880

ctcaaattca atcttcccac atacactgta tgcgtctttg accacatctg cttcttcaat   60

gtggaagctt tgtggacacc ctctatagct cttcctccct aggtgacgaa tgtgtcaaag   120

ggcacatata tctatagagt tcccattgtc tgtgaaggaa agcttcgacc ttaggagtgt   180

tttggagagt aacatgtttt cttttgatga tgactaagcg tagaggatgg ttgctttgtg   240

aaacagagaa   250

<210>   6881
<211>   222
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082b03d1

<400>   6881

attaatagcc ggaattgggg aaaaaataat gtgcaactaa ggatagctac caggatagaa   60

atttaacaag gcagaactct aaccgtgcat gtcataagag agatctgtaa aggtaattca   120

aggaaaacgt cacatatgag agtcagttga aacctaacga actgattgag agacatgcca   180

ataggcgtca gtaggatgag gtggaaagtc aaagcaccaa ct   222

<210>   6882
<211>   180
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082b04a1

<400>   6882

gaatatcctg tctactacgt attcaaagct atgtgcacgc agtgcagcgc gtctcgtaag   60

tctcggattt gcgctcgagc gataatgctc ttttcccgtt tctgttttaa agcaattatt   120

tcttaattgg aagaggatgc gtaacgataa cgttcacatg attcatagtc tcatgggccg   180

<210>   6883
<211>   259
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082b04d1

<400>   6883

caaataaaat gtggacatat aattaaccgg agcagcgcat cgcatcacag tcctgaaact   60

agctgtgcta aacaataaag tagatcaagg gtgccgacaa actctacacg ttaaaacaca   120

gctaaattta agcaattctg ccaccgacta ttaagaaccc agtactggga acatcaggcg   180

cgagatgacg gcgaagactt caaactcttg tcgaaagaca tgctacctat gagcgaagac   240

actagagtac agaaatgaa   259

<210>   6884
<211>   134
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082b05a1

<400>   6884

ggatcaggct tgcttctctg atctcgggtc taactatctt tcattatttt ctacctggta   60

cagggaccgg actaagcact gtgtccagct ttaatatcca atacgacgaa gatgacacat   120

tccacataac ccac   134

<210>   6885
<211>   188
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082b05d1

<400>   6885

ccccaattct tctatcctcg atctcagctc taactataca tgctgatctg ctgcgaagga   60

cagatcactg aacgtcgcct ccgttcagca tgactaacta gaacaacgaa taagaccgat   120

ggcacactac ggtctggttc actgtgatct ctgcttgagg acctcagaca caagcacagc   180

ctataccg   188

<210>   6886
<211>   501
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082b06a1

<400>   6886

gaaataactg gtctgatatc agagctctga cttctcatgc acgctgccct cggccgggaa   60

ctcggctcgc gcttatagct tcatcccaaa aagctctttt ccttctaaat ttgattcctt   120

agttcagcag gctattatta tatatggctt cttcaccttc ctgagaagac aaaaacctag   180

agggagtagc tggtggtgcc ggagagaaac ccattccact tggtgagaac gttctgcaga   240

agcatgctgc attcttggac ttgaataaag atggtgtcat ctacccatgg tagacttgta   300

aagggttgcg tgaaatcggg actggggttt tgctgtccgt tggaggtgct attttcatca   360

atgtgtatct cagtcagagt actcgtgccg gaaagtttcc atctatactt atttcaattg   420

aaattaaaaa tatccaacgc ggcaaacacg gcagtgacac tggagtctac gatactgaag   480

gaaggtttgt accttcaaaa t   501

<210>   6887
<211>   616
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082b06d1

<400>   6887

attataaaat tgtattcttt attttactgt atacgtgctt ttcggatgaa ttcaaacatg   60

atagatgaca cataagtttg acttgacata tacattattg atgaacataa aaataaacag   120

acactttgaa tattgcgact aacttactag catataaatt cataaaaata accaattttg   180

ctgagatcga caagtaactt cttctttttca catacgtgtc tgaaaaatat tactacttct   240

ctttgcctga agagtgttgt tttttcagtt gttcaaataa acttccatcg taaacacctc   300

3068

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ggattgtttc tttctgcagt aatccactct tatctttagc aagtttgtaa agaattttcc    360

attcaaccac actaccaatc cttcctgaga aatctttagg ctctctattt gcctttatca    420

tctccgttaa ctcatcatat gtcaaagcat ttggatgtgt atgtgcatgc ttgttaaaaa    480

tttcttcata ttctgaaggt acaaaccttc cttcagtatc gtagactcca gtgtcactgc    540

cgtgttttgc gcgttggata tttttaattt caattggaaa aagttagatg gaaacttccg    600

ggacgagtac ttgact                                                    616


<210>       6888
<211>       232
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220082b07a1

<400>       6888

ggtgaattct tggttctccg atcatccttc gacccaatta tttttctctg cgtgcagcaa     60

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gcgcagagaa gttccgagaa tccgtgtgtt tcaaggccag gtcccagatc tttatcgagg    180

gcgggctcga ctacttgggc aacccaagct tgacccacgc ccagagcatc ct           232


<210>       6889
<211>       343
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220082b07d1

<400>       6889

tgtctttcgt gcagtctgcg taaccgtgtc cggaattagt tcccgggtct acctgctcac     60

tggccggctt tcgttttttt tttttttttt taaagtaaat tcgttaataa catttccgaa    120

aaattattag agaagtaagg attctgcctg attgcagtca agattcacac agcggaaatg    180

tttcccacgt attctttatg gtggatcacg tcacacgtgc actcaaacca gggttctagt    240

ttaaagatgg aaatgtaaca cagtgagttg atttctgtgc tacattacta gaaaaataat    300

tgtgattgta cagcctcaat tagcttaaaa tgctcaagtc tcc                      343
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<210> 6890
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082b08a1

<400> 6890

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ctaaaatgct tgttctctg  atcatatgtc ttattatata tcttgatctg ctgccgggaa    60

ctggaacagt actgagggca gcttcaagat ccactatccc aaacaacgaa gatgacacat   120

tacacacaag gctcttgagt tcctctatcc aagaaggata agcgtctact gttcaaacag   180

cgtcaagcgc aatcagaact cagcgcatag gaccaagcat acggtactcc tac          233
```


<210> 6891
<211> 177
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082b08d1

<400> 6891

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aaattatatt tgattttaat attatgagaa aaagaggaaa agaaaacata caacgaaaga    60

gataaacgag gaaagaaaaa gaaagaaaca gggaaataac aatgcaagta aaaagtacgg   120

taaatgcacg taagacgaaa aggtcctata gacaagcaaa agactgacaa attgagg      177
```


<210> 6892
<211> 288
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082b09a1

<400> 6892

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ctcaaattct tccacctgat atctaatagg cttcgaacgg acctgacctg cgacgggcga    60

ccgaatctgt cacctcgact gaggaatcct tgaccacagg atataacgat ggtgacctat   120

gtcacctgag gatgcttgtc ctccgctctc aggcatatac accttacacg catgaagctc   180

ttaaagctat gcactggctg cctaaagagg agcgctagca tacatgacgc gtcgttcgca   240

cactgtgcga ccaggaatcg gcaaacctgt cctggctcat ggattaat              288
```

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<210>       6893
<211>       291
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220082b09d1

<400>       6893

aagagaataa caaagacaac aacatacgta atggaaactt acaacaactt aagaaaacca    60

agacaataac gacatcaaac caaaatgaaa ctgtacaaaa caagcgcacg aaaattcgac   120

atgaccatac atgaacactc gctgagccaa acatctacta tacgacacga aaaattgacc   180

tgaaatatcc aagaccgagg gtatctccgt caactcattc cataatcgca cgacaccaca   240

ctcatgtcca ctatctctgg aagatcgctc tagacagagc ctattcaaca t           291
```

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<210>       6894
<211>       505
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220082b10a1

<400>       6894

accatttctc gcagaattcc agttccagtt tcaggttcag tttgttgatg gctaaagttg    60

gtaagttgcg gagcaaggct cgaggtcaca gggcaagccc acatcttttg tcttgcggaa   120

gaaaaaatct gaaagatgtt aatgttagga agagctcttc taaagcattg gagaagaaag   180

attgggaaga tgcaacctgc tcagtctgta tggaggtccc ccacaatgct atccttctcc   240

tttgttcatc ttatgataag ggttgtcgcc catacatgtg tgccactagt catcgccatt   300

caaactgttt tgaacaatac aaaaagacat atacgaaagc aacttctgtt caaagcttgc   360

agctagaagc aaacaattcc aatattgatt taagcacagg tgaacctaaa gacgatactg   420

aagttcctga gcttctttgc cccctttgtc gcccgcaggt cgaaggttgg acagtggttg   480

aagtggcacg gaagtgtctg aatgc                                         505
```

```
<210>       6895
<211>       519
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220082b10d1
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<400>   6895

cctaacacta tcaaatagta gtatgattta ttattcagta attcaacctg tacatacaga   60

aagtaaatca tacattggaa gaataacgca acagttcaaa atgaaattat atgggacgtc   120

ttcttgttga ccctaaatgc cacctgtgtt caattcacca ctttgcatga ccgcataata   180

actaatccaa cctatgggat ctaacaatca taatgaactg catctcctag acctagaaat   240

cagacgcaat gagcactcta aaattgcctt ttgtacagtc tatttaattt tttttttataa   300

aaacagggaa agtcacggtg gtaccatatc aatctataaa tgagatgaac tgctataatc   360

tgccaaataa attataaaat gctctggcat agcaacaaaa ccagccatgc caagatcact   420

gacatactat ttgcagaaga acagctcttt ccccacattt ctggagttca tatttgaatt   480

taccttgttg catttgctat cctatgcctc cgtcgtctt   519

<210>   6896
<211>   203
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082b11a1

<400>   6896

atataccgaa accacggcca atgaatcagc caacagtgtc acaaacccag actgatttaa   60

cattggaaga acgcttgaac cttgctagtg cactgtaagc acaatgccta ggtcgcatca   120

tgctgttcag cttaccaaga aaaccatggg ctcaaatgtt atactgagac agttcactgg   180

ggtcaatctg ctgcatacag gaa   203

<210>   6897
<211>   398
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082b11d1

<400>   6897

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agtactagct aggagagaaa acttcagtca agtgcacgtt atcgaaacta ttgccccttt   180

aggcattaa cacggatact gagctgtaac aaacaatcca taatagctat ctctgtgata   240

aaatctgatt ctgaattaaa cggggaatat taatgttaac ttgcaccaac gtgcaatgta   300

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<223>   Clone ID: jC-gmfl02220082b12a1

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cttacttgta tcatggcggc caccggtggg ttgattactg ctatgacca tgcagtttca   180

ggtggagcga cctccatgga ctgcttcctg aagaagcact tcccatctgt atatgaaaag   240

gaggctaccg tgaagccttc ttcaaaccag tactgcaaat tcaacagtca gatactgaca   300

ctgcttacat cttcccttga tctaagtgct cttgctgcgg atcttggggc atccagcata   360

acccgaacgc cgggaagacg tgcaactatg attatggctg gaatattctg tgaggcaggt   420

gcattactcc atggattagc tgtaagcatc tggactgcta ttgctggcag g   471

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<223>   Clone ID: jC-gmfl02220082c01a1

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caccagcatg gtgatactcg tagctgctta gtgatattag gtcatttacc acttcttgag   180

tgcgggt   187

3073

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cgggacaagg acaaaatcct agacctgcaa ggttacccag aggacccatg ccgcaggcgc   180

ttgcacgagg ctgtattcta gacatgtata gcctgctcta tcaaaagggc ttgaggtacg   240

tcaatggatg ctaagcagaa gccaaaggat cttgctatag gccatagga ccgaaccagc   300

catcgg   306

<210> 6901
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<212> DNA
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<223> Clone ID: jC-gmfl02220082c02a1

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gtcacataac ccacttggtt tc   142

<210> 6902
<211> 154
<212> DNA
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<223> Clone ID: jC-gmfl02220082c02d1

<400> 6902

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gtcaaaaact gcgctgtagc actgggggta agatgacagc caaacacagg ggaatatgta   120

acgaaccaca ctatacactg gaacaggaaa agct   154

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<213>      Glycine max

<223>      Clone ID: jC-gmfl02220082c03a1

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tccacaaaac gcactagagc tccggtattc cagaaagaga agggtcgact gtttacctgg    180

ctaagagcga caacggagca catggtatac gaccaagaat atggg                    225


<210>      6904
<211>      199
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<223>      Clone ID: jC-gmfl02220082c03d1

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ttgcacacta cggacttgat ctcagagatc tctgcagctc ggctctaaac accaccaccg    180

ctgagacgag tcagcgaca                                                 199


<210>      6905
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<223>      Clone ID: jC-gmfl02220082c04a1

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<211>      120
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<223>   Clone ID: jC-gmf102220082c04d1

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<212>   DNA
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<223>   Clone ID: jC-gmf102220082c05a1

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cgaaacaata tctcactcca gattccatct ctcataccc gatgtacgca t   111

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<223>   Clone ID: jC-gmf102220082c05d1

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gccacattac ggtctggatc actgagatct ctgatgga   158

<210>   6909
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<223>   Clone ID: jC-gmf102220082c06a1

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gacacattac tgttttcaa   139

<210>   6910
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<223>   unsure at all n locations
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tctacatctc ctcgatgtca tatataccta tctcaatcta aatctattaa tatcataact   120

gtatactgat attataatgt agtcttggta tctagctaac tattttgaat   170

<210>   6911
<211>   547
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<213>   Glycine max

<223>   Clone ID: jC-gmf102220082c07a1

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tatatatggc ttcttcacct tcctcagaaa acaaaaactc tcagggagta gctggtggtg   120

ccggagagaa acccattcca cttggtgaga acgttctgca gaagcatgct gcattctttg   180

acttgaataa agatggtgtc atctacccat gggagacttt taaagggttg cgtgaaatcg   240

cgactggggt tttgctgtcc gttggaggtg ctattttcat caatgtgttt ctcagtctga   300

gtactcgtcc cggaaagttt ccatctatac tttttccaat tgaaattaaa aatatccaac   360

gcggcagaca cggcagtgac actggagtct acgatactga aggaaggttt gtaccttcaa   420

aatttgaaga aattttttaca agcatgcaca tacacattca aatgctttga catatgatga   480

gctaacggag atgataatgc aaatagagag cctaaagatt tctcacgaag gattgtagtg   540

tggttga   547

<210>   6912
<211>   215
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<223>   Clone ID: jC-gmfl02220082c07d1

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gactaatggg gacttgataa caaatcattc tccaagtact cttaggagtg atgataacca   180

tcagttaaga tagatattat acaactgaac tgaag   215

<210>   6913
<211>   152
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082c08a1

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tacacaaaac gctcttgggt ttttgtgatc aa   152

<210>   6914
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<223>   Clone ID: jC-gmfl02220082c08d1

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<211>   207
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<223>   Clone ID: jC-gmfl02220082c09a1

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tgcacactac ggtcttggtc tcttggatca aggaaagaga tccgccctct tttcaagcag 180

ctcaatctgc aatacggact catctca   207

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<223>   Clone ID: jC-gmfl02220082c09d1

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aaaacccgag aaggccgaaa aaaatggaaa atgagaaata acagtggaaa ag   112

<210>   6917
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<223>   Clone ID: jC-gmfl02220082c10a1

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gccacatta   129

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<223>   Clone ID: jC-gmfl02220082c10d1

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ctcaaatggg gcacgcaaat ccagccatga actgg   155

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<211>   463
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<223>   Clone ID: jC-gmf102220082c11a1

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gacacttcta ccattcctgc ctctcactgg gcttctactg acacttctgc aattcctgcc   180

tctcactggg cttctactga cacttgtccc attcctgact cttactgggc ttctactgac   240

acttgtccca ttcctgacta ttactgagct actactgaca ctgctaccat tcctgactct   300

cacagggctg ctactgacac tgctcccatt cctgcctctc acagggcttc tactgacact   360

tattccatgc ctgcctctca ctgcgctact actgatgctt ctgctcggac tcctgctgat   420

gcttctggca ggacttctgc tcaaactcct ctgagatgga aga   463

<210>   6920
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220082c11d1

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gcaataacgc aacacagcgt ggggacaggg tctgggacgc cgacttggga agcctagatg   120

tcacccgggt acgactcacc agtcagcata accgcatcct aactaatgcc tcctacgggc   180

accaaaacgc gtactgagct gcatctaata gtccttgaaa ccagactctg cggacacact   240

aggattgcca ttagcacagc atattgatcc atatcttgtg ccaacccgca aag   293

<210>   6921
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220082c12a1

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tgtcacgtac acaaactggt tcaacattgg tacaacgctt taaccttgca aatgaaccat   120

catcacattg tctatgtcag attgcaatgc tcagcttact gagagtgcca ccggctcaac   180

tgttatgctg gtccagtgct ctggtgccca tctgctgtct accataacaa ccacgtgcaa   240

gctgtacaca tgtgtagata tcggagactg gatccaaaag atgctgggga ctagagcctc   300

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agaaagtgat ggacgaactt atttgtcacc ctgttga   397

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<211>   384
<212>   DNA
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<223>   Clone ID: jC-gmfl02220082c12d1

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ggggggcgtt ccctggaaaa aaaaaaggaa caagaggtgg cacccccccac taacagcggg   180

ggggttgggg cccctttggg ggggcaaccc cagttccaaa acccggaaat ggggccccat   240

gggaacccccc gggggcatta acaaaaaaaa aagcccggtg attggtctaa gggggccgcc   300

cccgtttaaa cacgcccccc ccggtttggg gatggggggc cttaaaaaaa cccggacagg   360

ggcctggaag ggccaagaag gggg   384

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<211>   388
<212>   DNA
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<223>   Clone ID: jC-gmfl02220082d01a1

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ccgcaacggg gtgaagttcg gagaagccgt gtggttcaag gccgggtccc agatcttcag   180

3081

cgagggtgggg ctcgactact tgggcaaccc aagcctgatc cacgcccaga gcatcctcgc   240

catctgggcc acacaagtta tcctaatggg tgccgttgaa ggttaccgta ttgctggtgg   300

cccccctcggt gaggtcactg acccaatcta cccaggtggc agcttcgacc cattgggcct   360

tgctgatgac ccagaggctt ttgctgag   388

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aggcagtggc actaggccca gtacgttgat gatgacaggg tcagcaaggt gatcggcgag   180

gttgtccaat ggacccttc cggtgacaat ggcctgaaca aagaagccaa acatagagaa   240

catggccaat cgtccgttct tgagttcctt caccttaagc tcagcaaaag cctctgggtc   300

atcagcaagg cccaatgggt cgaagctgcc acctgggtag attgggtcag tgacctcacc   360

gaggggggcca ccagcaatac ggtaaccttc aacggcaccc attatgataa cttgtgtggc   420

ccagatggcg aggatgctct gggcgtggat catgcttggg ttgcccaagt agtcgagccc   480

acccttgctg aagatctggg acccgggact ggaccaca   518

<210>   6925
<211>   335
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082d02a1

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aggaggagcg tcccaaggtt gcctacaacg aattcagcga cgagatccca gtgatttctc   120

ttgccggaat cgacgaggtg gatggacgca gaagagagat ttgtgagaag atcgtggagg   180

cttgcgagaa ttggggtata ttccaggttg ttgatcacgg tgtggatcaa caactcgtgg   240

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ccgagatgac ccgtctcgcc aaagagttct ttgctttgcc accggacgag aagcttcgtt   300

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caactcagca gatgacgatt acaatgtagt aatgcaacac ctctcattca caggcaggtt   180

tagtgtcaaa gctgctcaag cagatggcga aggcttggaa agtagagagt ggataacagt   240

aatccatggt aaatatgtct tttccaatct ttccaaactg caagattacc ttttcttgct   300

cctcggcaga aatattatga gatggatcaa cagcagctac aagttgaaag ttcttaacag   360

aagccactga aacgcgaccc ttgaagttta gacaccagca ctgtagctgc tcatgccatc   420

tgggagcctt gtttttcagt gctaattgct cggttgagcc ttggctcaat actggtggct   480

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<211>        121
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<223>        Clone ID: jC-gmf102220082d03a1

<400>        6927
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caggcccctt tgtaaaagca gtgtacagct ttactcaccg aatccgacgc agatgatccc   120

t                                                                   121
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3083

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agcacactac ggtgctgttc ccacagatct cagaag   156

<210>   6929
<211>   327
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<223>   Clone ID: jC-gmfl02220082d04a1

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ccatggccat gataacggga gtggtactgt tcacggaagt atatgatgca gctgacctag   120

atatggagat aatgtctgtc gtcggctctc acgcctcttc gctggacaca gacttagagc   180

ttaagtctat gtactagctg tggctatgag agcatggtaa gcagtacgct gcgctcggac   240

tgactgatac caggatacga agctttgtga ctgcgcgtga ggtaatggga actccggatc   300

acctgatgaa cacatatgca tgctgat   327

<210>   6930
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<223>   Clone ID: jC-gmfl02220082d04d1

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aaactgggaa atcacagtgg aagtcaaatg aatgacagat ggaggggcgt cga   113

<210>   6931
<211>   465
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<223>   Clone ID: jC-gmfl02220082d05a1

3084

<400> 6931

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acatggcgat aatgtagttc gacagcgccc actgcctgct cgaaggcgaa gaccaagagc   180

tgaagtctca tgtacgagca gtggctatga agacacggta aggagtacac cgcgctcgga   240

gagaatgaca acaggattca aagcttgggg actgcctgcg aggataaggg accacaactc   300

cccagatgac cgaacctgca tgctgtgtct tgaccgcttc gctgatctaa ccaactagga   360

ctacaaggac aagcacttgg gaagcaacat cgataccaac cttatgctct gttagaccct   420

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<210>   6932
<211>   159
<212>   DNA
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<223>   Clone ID: jC-gmfl02220082d05d1

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acttcaatac ggtgagcttc tcagaaatct ctgcaggag                          159
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<210>   6933
<211>   366
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082d06a1

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ggagcatagg cactacgtgc cttctatgtg ttaggtgata ctctcgtcgt caatggcagc   180

atcaactgca tagccaccac agctagagca tacgctccac cttatggcat tgattatcca   240

actcgcagac ccactggccg attctctaat ggcctcaata ttccagagtc tatcagctga   300
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gttctaatgt tgattactcc atcgctaata tatttggtgc tgactaatta agactatatg   360

tcgtat   366

<210>   6934
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220082d06d1

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tcaaaatcac acaaaagaac tcacttattc tgcggtttct ctttgcttca atggagaaga   180

aggcacatgt cattattcga aggagcggaa aaacatatat aattcttcac tttctggaca   240

ttccaatacg gaaatatcac acaaataaat taacaaacgc tgcttttctg taactgtagt   300

gtatggaaga tgtatgatta gtatttcttg gaatccaagg ccaaaatagt gctgagattc   360

attgggtgca tgtactttga ggttcctgac ataatctgct gaacgatcaa cctgttggct   420

ttttccgatg gatggaatgg atcccaaaac gcgaattcgt gacggtttgg acataagttg   480

gacactaccg tgcatagtcc aagaccatta aagggtcctt gaccgcaaca tgctac   536

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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082d07a1

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tccacactac gctcttgggt cctcctattc tggaaggaaa tggggcgact tgacaaattg   180

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accagcttgc aaatgatgca caacctttgc at   272

<210>   6936

<211>   242
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220082d07d1

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tatttttaa cactgaaatt gaaatgttgg ataaatcaac acaatttgaa aatagtctca   120

gtaatgctag cgttaattta ctctagattt taaattaagg taatctgcaa gacatcattt   180

atacgctcct gaagactctt tcttaaagtt atgcactaca gacttgaatc gtttgattca   240

ag   242

<210>   6937
<211>   264
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220082d08a1

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gggaatcgtt tttcatgact gacttcagct aattaaggca aagccactga ctgaacacat   120

tacaccaccg ggcttggggt tgcggctata gatagaaaac ctgatacatg gaaagtttct   180

gagagtgcat atgatgatca tcccaggact gcaaaaaaat gtcgtgcatt atgtacagga   240

gaaaatggta ttagtccatc atac   264

<210>   6938
<211>   100
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220082d08d1

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gcgctttgac catggatgtt agacgctcga taaagtctat   100

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3087

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<223>        Clone ID: jC-gmfl02220082d09a1

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aggaatcggg ggtgaaggca gtcctcacct ggactaccta gatcttcgta ctggacaaat  120

tacacgcacc gggctggggc tggcggcatc aagaacaaac atcttagacg gttgccttgc  180

gacaatagca gcatgtgaca tatctgggac ttgtaagaag atgcttaaga cttgaaaatg  240

gacgccaatg ccatcgacca tcaccatctt atcaggaaca tgacggggag gctattgcat  300

tcaaagctag atctttggtt g                                            321


<210>        6940
<211>        92
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220082d09d1

<400>        6940

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acaaacgcat actgaacact accaatgcat gt                                 92


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<212>        DNA
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<223>        Clone ID: jC-gmfl02220082d10a1

<400>        6941

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ggcacactac gatcctgaaa catgagctcc acacacaaaa acctggatca tgtacggaac  180


<210>        6942
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<213>   Glycine max

<223>   Clone ID: jC-gmf102220082d10d1

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aaaacaaacc agaacagcaa cacaaacata gagtaaaata acgatgcaag ttataccatc   120

ggcacacata cacaactact acttccctca tggctgagca aacatccacg accatatacc   180

agctcacagg ccaagctccg agtgacgctc ataaaaccgt agactgctca tatcaactga   240

tgcacatcta tacgtgacgc gaaaagatcg gggctcgctc atgcccaatt gaagctacac   300

tcgaactgcc tgacagggga ctgaagattg tct   333

<210>   6943
<211>   147
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220082d11a1

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caaagcactg cagaacgcct cagaacagca gaactatcga gctcaaccaa gaggaccgat   120

gccacattac ggacctgaac accggga   147

<210>   6944
<211>   164
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220082d11d1

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ctgaaccaaa tgggacacgc atgatcaacc attaaatggc gaac   164

<210>   6945
<211>   289
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082d12a1

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tctaggaaag aacaacaccc caaaaattga ggggagacac ccccacaatc agcaatgtat   120

gacaaacaga aggccgccca acaaacaaac aggggggccaa caaggcagga caaaaagacc   180

agaccatgaa tcggcatcgc gaaccatact gtgctgacag aaacgagccg ccaagcgcgg   240

gggggggccc aaaacaaagc tcacatggcg aggaaaaagc tggcaacaa   289

<210>   6946
<211>   204
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082d12d1

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agacaataac gacatcaaac caaaatgaaa ctgtacgaaa caagcgcacg aaaattcgac   120

atgacaatgc aagaacactc agtgagccaa acatctacta tacgagacta aaaatagacc   180

tgaaatatcc aagaccaagg gtat   204

<210>   6947
<211>   144
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082e03a1

<400>   6947

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cagggccctt tgtgaaagca gtgttcagct atactatcca atacgacgaa gaggatacat   120

tccacacaac gcacttggtt tctt   144

<210>   6948
<211>   173
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082e03d1

<400>   6948

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tcgacgctac ggagctgttg tcacagatct ctgcaggaca gccatcgtca cta   173

<210>   6949
<211>   429
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082e04a1

<400>   6949

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gcaagttgcg gagcaaggct cgaggtcaca tggcaagccc acatcttttg tcttgcctaa   120

gaaaaaatat gaaagatgtt aatgtcacga agagctcttc taaggcatcg gacaagaaag   180

attgggaaga tgccacctgc tcagtctgtg tggaggtccc ccacaatgct atccttgtac   240

ttcgttgatc ctatgataag ggttgtcgcc catacatgat ggccaatagg catcggcatt   300

cacactgtaa tgaacaatgc ataaggacat atgctaacgc aacttatgtt caaagcttgc   360

atctcgaatc caacaattcc aatattgatt taagcacagg tgaacctaaa gacgatactg   420

aagccactg   429

<210>   6950
<211>   567
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082e04d1

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ttgttttttc ttgtggtggt ggctactttt gtggtggcag ccacagctgg tagcttttac   180

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caagactttg aaataacgtg gggtggtgag cgtgccaaaa tctatgagaa tggaaacctt   240

ctcacactct cccttgacag agcctctggc tctggctttc gttccaaaaa agagtacttg   300

ttcggaaaaa ttgacatgca gctcaagctt gtgcctggta actctgctgg aacagtaact   360

gcctattatt tatcttctct ggggcctact catgacgaaa tagactttga gttttgggt   420

aacttgagtg gtgatcctta cactctgcac acgaacgtat tcagccaagg gaaagggaac   480

agagaacaac agttccatct atggctcgac cccaccaagg actttcacac atactccgtc   540

caatggaatc ctgcaagcat catattc                                       567
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<210>      6951
<211>      399
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220082e05a1

<400>      6951
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ctggctctga gggatcgagc ccaacttctc tgacctgata tatgaaagtc taggttaatt   120

tctttgatgg atcaggggg caagttgagg agcacggctc atggacccat tacgagaaca   180

tatatttcgt ctggcctaag aaaaaatatg acgcatgttc ttggcactaa gagctcttca   240

catgattcag agctgatact ttaagctgta accttcatgg tagtatgtga ggatggcacg   300

cacaatgctg tgcttgtact ttgttgatac caggataggg gatgatgtcc atagatgatg   360

gctcatagtc atctgcattc acactgttac gaacaatgc                          399
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<210>      6952
<211>      544
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220082e05d1

<400>      6952
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ttcagcttca tcttgataaa tacacaggta ctggcttcca atcaaaaggg tcctacttgt   120

ttggtcactt cagcatgtac ataaaattgg ctgctggtga ttcagctggc acagtcactg   180
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ctttctattt atcatccaca aactcagaac atgatgaaat agactttgag ttcttgggaa   240

acagaaccgg gcaaccttat attttgcaaa caaatgtgtt caccggtggc aagggtgaca   300

gagaacaaag aatctacctc tggtttgacc ctacaagaga atatcacaga tactcagtgc   360

tatggaacat gtaccagatt gttttctatg tggatgacta cccaataagg gtgttcaaga   420

acagcaatga cttgggagtg aagttcccat ttaaccaacc aatgaagata tacaacagtt   480

tgtggaatgc tgatgactgg ccacatggc gtggtttgga gaatacagat tggtccaaag   540

cccc   544

<210>   6953
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082e08a1

<400>   6953

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cggaaacagt aataaaggca gtgtacagcc ctaatgacca ggacgacgaa gatgaaacat   120

aacacaaaac gctcttgagt tcttcgtatt ccagaagcaa atgaggcgac ttgttaa   177

<210>   6954
<211>   94
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082e08d1

<400>   6954

gttaaacaga ggaaaaggta acggaaaaag aaagaagcaa gcgaggcaaa aaaaagaagg   60

aaacagagct atgacagtgg aagtaaagcg cacg   94

<210>   6955
<211>   489
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082e09a1

<400>   6955

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tggcacctga tattgaggcg gttgatggcc ctaacgacga gggtgacatg tttacacgct   120

ctgacaaact cagcgagcgt tttcctcatc catatgcaaa tgaagcaact gttaggtttg   180

ctaatggatg agcttatcct ccagagctaa gtcttattac caaagcccgt acaatggtc    240

acaactatgt ttttgccctt ctaactggat atcgtgaccc acctgctggt gtttcaatat   300

gagagggact tcattataat ccttgcttta ctggtggagc aatacgccat gcctaaaatg   360

cttaatgatg gcgctaggga atatgaagat ggtacccttg ctacagatgc tcagatggcg   420

atcgatgatg tgtcacattt aagttgggcc gccgaacctg agatggaaga cagaaaactg   480

atgggattt                                                           489
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<210> 6956
<211> 137
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220082e09d1

<400> 6956

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aaacagcgct ttaactatgc aagtaaaacg cacggaaaaa ttacgtacaa ctaaagagaa   120

ctattcaaag ccaaaga                                                   137
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<210> 6957
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220082e10a1

<400> 6957

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actggggaac gtatgacggc tgtgtccagc gctactctcg aaaacaacga agatgacaca   120

gaccacaata cgttcttgat ctctgagatc tctgaagaag aaccttagac agtaccacgg   180

catataccag cagcgagaac ttcaggatca cgacgaagcc tatgtcgtgc ctcatttgta   240

gacagacatg ctcagtctaa gcatc                                         265
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<210>      6958
<211>      96
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220082e10d1

<400>      6958

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cagtactata acaatgcaag caaagagctc ggaaaa                              96


<210>      6959
<211>      156
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220082e11a1

<400>      6959

ccgccattct tttttcctcg atctcaggtc taactatatg tgctgatctg ccaccaagta    60

cagagcaatt aagaacgcct gacataagcg tgactaacta gaacaacgaa gaagaccgat   120

ggcacactac gatcttgttc cctgagatcc ctgcat                             156


<210>      6960
<211>      164
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220082e11d1

<400>      6960

aataatatgt aaaaaagagg aaacggaaat ggaaaaagga aaaacaaaga caggaaaaaa    60

acagacgcaa agagaaaagg gacggtggga gaagggagct cggcaagttt acagtcccac   120

ggagaaacgg tattcagagc caaagatcaa caagctcagc acct                    164


<210>      6961
<211>      268
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220082e12a1
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<400>   6961

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tctgcggccg ccctttttttt ttttttttttt ttttttttata tgccatttga cattattcat   120

tagagggaat gatctaagga taacatccaa ctcaagcgat atacgataaa acaaacgaaa   180

agaaacaggg cacacaatgg acatgtacac ggtgctctaa gttggtataa ctcgaaaagg   240

tgcttcgccg atcaagtggc agagaact   268

<210>   6962
<211>   167
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082e12d1

<400>   6962

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acaaacaaaa aaagaaaagt cactatggga gcagcgacct cggaaagttt acatactagg   120

gaaatatggt atttaggctc caaagaccat cagtctcata cctgaaa   167

<210>   6963
<211>   533
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082f01a1

<400>   6963

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ggtggtgccg gagagaaacc cattccactt ggtgagaacg ttctgcagaa gcatgctgca   180

ttctttgact tgaataaaga tggtgtcatc tacccatggg agactttaa agggttgcgt   240

gaaatcggga ctggggtttt gctgtccgtt ggaggtgcta ttttcatcaa tgtgtttctc   300

agtcagagta ctcgtcccgg aaagtttcca tctatacttt ttccaattga aattaaaaat   360

atccaacgcg gcaaacacgg cagtgacact ggagtctacg atactgaagg aaggtttgta   420

ccttcaaaat ttgaagaaat ttttaacaag catgcacata cacatccaaa tgctttgaca   480

3096

tatgatgagt taacggagat gataaaggca aatagagagc ctaaagattt ctc   533

<210>   6964
<211>   249
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220082f01d1

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tagacctgct tctcggacga cgtcacacaa ttaaattgca cagtaccaac cacatttact   120

tcatgtaaca cattaaaaag gaatagtcca acatgactaa tggggacttg ataacaaatc   180

attctccaag tactcttagg agtgatgata accatcagtt aagatagata ttatacaact   240

gaactgaag   249

<210>   6965
<211>   252
<212>   DNA
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<223>   Clone ID: jC-gmf102220082f02a1

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gtagcacaga aatcaactca ctgtgttaca tttccatctt taaactagaa ccctggtttg   120

agtgcacgtg tgacgtgatc caccataaag aatacgtggg aaacatttcc gctgtgtgaa   180

tcttgactgc aatcaggcag aatccttact tctctaataa tttttcggaa atgttattaa   240

cgaatttact tt   252

<210>   6966
<211>   207
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220082f02d1

<400>   6966

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tgacttacgg ggactcgatc acaaagcata ctgcaggtac tcttaagagg gacgatgacc   180

attattcaag atagccatta tactact   207

<210>   6967
<211>   409
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082f03a1

<400>   6967

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aacaatctag gtactgggtc cattgtatgg cggaacatga tactgggatc tttcacgtgg   180

gacacagtgc aatccttaaa tgggtgatgt ttgagatcct aggttgatct acattagttg   240

acagaccgag caatttatta accaccatag cgatatagtc tacgaaaaaa gttggactct   300

attgacttta atgcgggatc tgaggtgggc atgaatgggg accaaatgca ccaatgcttt   360

gttgtccggg gggcagggat aagacatgcc tacagcttgc acgtggtgg   409

<210>   6968
<211>   506
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082f03d1

<400>   6968

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ggaagttcca atcaagtatc cggcaaaact caccccttagg gtggttctta cttgtatcat   180

ggcggccacc ggtgggttga tttttggcta tgaccatggt gtttcaggtg gagtgacctc   240

catggattcc ttcctgaaga agttcttccc atctgtatat gaaaaggagt ctaacgtgaa   300

gccttcttca aaccagtact gcaaattcaa cagtcagata ctgacactgt ttacatcttc   360

cctttatcta agtgctcttg ctgcgggtct tggggcatcc agcataaccc gaatgttggg   420

3098

aagacgtgca actatgatta tgggtggaat attctttgtg gcaggtgcat tactcaatgg 480

attagctgta agcatctggg atgcta 506

<210>   6969
<211>   136
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082f04a1

<400>   6969

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acaggggcag gtgtgaaggc agtgttcagc ttttctatcc aatacaacga agaggtcaca   120

ttccacacaa ccctct 136

<210>   6970
<211>   614
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082f04d1

<400>   6970

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aatccgccat ggattttcgc atctatggcg tcacgatcct tctcttcctc ttcccaaccc   120

tcacattctc aatctcacag ggtcagataa actcaaactc aatccttgtc gctctgttgg   180

actcccatta caccgaactc gctgagcttg tggaaaaagc catgcttttg cagactctgg   240

agaacactgt catgaacaac agcaacaaca tcacaatctt cgctcccaga aacgaagccc   300

tcgaacgcga tctcgacccc gatttcaagc gtttcctact cgaaccccgc aatctccatt   360

ccctccaaac cctgctgttg tcccacatcg tccccaaaag aatcaccaaa cccgaattca   420

aaaccgggtc gacccgacac agaactttag cgtctcacca ccacctcact ctccaagccc   480

tgaatatgac tcactggaat ggtgagtctt gccgggttat taaccccgat tcggtaaccc   540

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<223> Clone ID: jC-gmfl02220082f05a1

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accacggact gctctggata tctcctctta caga   154

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<223> Clone ID: jC-gmfl02220082f05d1

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tgtggaagct gctatagacc tgatgtcaaa actgggaaaa ttgagtccaa attagccaag   240

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tttgaacaca tcaagaccca tctcagctgg atcagttgct tgcagctcaa tctgaatccc   360

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tagatgtatc aggggaccat gcaatgaaga aaa   453

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<223> Clone ID: jC-gmfl02220082f06a1

<400> 6973

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<223>   Clone ID: jC-gmfl02220082f06d1

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tgtggaagct gatatagacc tggagacata actgggaaaa ttgagatcat attgggccag   240

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ttggaagcac atcagagagc catctcagat ggatcagatg cttgcatgtc aatccgaatc   360

ccatcaagct cgctatggag ctatccttgg ggccggcgta gatcacacgg ctgctaaccc   420

tatatgcatc aggggac   437

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<223>   Clone ID: jC-gmfl02220082f07a1

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tggcacctta ggcactacgt gccttctatg tgataaggga ttgtctcgac gtcaatggcg   180

agcggcaagt acatagccac cacagttaga gcgtacgctc caccttatcg catcgattag   240

ccaactcgct gacccacttg ccgatcctct aatggcctca atattcctga ggttatcagc   300

tgagtgctaa gtatgattac tccatcgcta atatatttgg tgctgaataa ttaatactat   360

atggcttatg gtactgaggg acgaaacatg c   391

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3101

<213>   Glycine max

<223>   Clone ID: jC-gmf102220082f07d1

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caacagcgca atccccgtgc atgtaaaagg ctcggaaaat gcagatccct ctaa   114

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<223>   Clone ID: jC-gmf102220082f08a1

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<223>   Clone ID: jC-gmf102220082f08d1

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tgcagactct ggagaacact agtatgaaca acagcaacag cactatcaat act   233

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<223>   Clone ID: jC-gmf102220082f09a1

<400>   6979

3102

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cggaaccagt actgaggcca gcgacaagct gcactaccac gaagtacgaa gatgacacat   120

accacactag gctcttgggt tcttgtattc cgga                               154
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tttttgaatc atacaagaat tatctacaga tagatataac agcagagaat gcagatgacc   180

ttagacaatg gaaaggttgg gttgagtctc gtcttcgcca gttgacattg acgattgaga   240

ggcacactga tggtatgctt caacgtcatc cacatcctgg tgaattctca gaccattcta   300

gaccctatca ccactgagac tttatgggtc tgcagcgtaa gcaaggagtt ccagtgaatg   360

aaggtgaaca gcttgatata acgctcactg ctgaagaatt taaacattct gtcagtgctt   420

acactctatg gaaaccttga atgaatatcc atgtgtccca tg                      462
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<223>      Clone ID: jC-gmfl02220082f10a1

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agcacactac ggtcttgatc tccgagatct cggcaggtga gccgtagtct gtagaagcac   180

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<212>      DNA
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3103

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082f10d1

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tgaaagaggt accaacagaa aaggaaagat tccaaggtag atacactaca tgatgtaaac 120

aacgagactc cgaatcctaa cggatcacga ggacattccg g   161

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<223>   Clone ID: jC-gmfl02220082f11a1

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accacactac ggtctgcatc tccgagatct ctgaagcaca gcctcagact caagcacagc 180

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<223>   Clone ID: jC-gmfl02220082f11d1

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aatgccacaa cacgatctgg tacaatgaga tctctgatgg acaacctcaa tcacaagcac   180

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gaatcctgat attcagcggc acagacgtac aaactcagta cctgcaatgg acgc   174

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<212>   DNA
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<223>   Clone ID: jC-gmfl02220082g01a1

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cagatccatt tattacaaca cctacaagct ccactatccc atacaactct gattttc   117

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<212>   DNA
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agaacccaga gaacaaccaa cagcaaacag tgcacaaaac gtgcaagaac accgagagcc   120

cagcaggtgg acctcaaaaa caagcacagc cgagacagtc agcgacaact gaacccgcaa   180

3105

aagagcgaca a   191

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gttacatgaa gtaaatgtgg ctggtgctgt ggaatttaat gatgctacgt tggcagtgaa   180

atcgatcaaa ttaagcatat aatagctttt caatt   215

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tctgtcacat tatctgaagt acttcaccaa acacaaatct aaaaactctc aaaagtcatt   180

tcgttctttg acgctcactt tccggggacg aagttggtgg cataggccca ggcgttgttg   240

ttgacagggt cagcaaggtg atcggcgagg ttctccaatg gacccttttcc ggtgacaatg   300

gcctgaacaa agaagccaaa catagagaac atggccaatc gtccgttctt gagttccttc   360

accttaagct cagcaaaagc ctctgggtca tcagcaaggc ccaatgggtc gaagctgcca   420

cctgggtaga ttgggtcagt gacctcaccg agggggccac catctatacg gtgaccttaa   480

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3106

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aaccacaaac atgcaccggg ctgtggctgg ccctacaaga tgcaaacata ttaaatggtt   180

gcctttggac aatacctgga tctcacaaaa atgggcttgt tagaagattc ttaagagatg   240

acgatggtgt caaattcgat cgaccatcac cttcttatga tcaaaaagag ttgggtccta   300

ttgaagtaaa agctgggtct gtggttgtca tccatggtga tcttatgcac caaagctctg   360

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tatctgagcc tagttactgt gctgaaacca tgatcccaag gttggattat tctgctgagc   180

ctcctgttca taccatcatc gctaaggata tgcatggaca cgctggatg ttcatgcata   240

tctatagagg gacaccaagg aggcatcttt cgaccactgg atggatcaat atcgtgaacc   300

agacgaggct tgtcgctggc gactctattg tgctactgag ggcagagaat ggagatctct   360

gcgctgagat aacgcgggct aagatgggga ttgacggagg gactgagtga ccttacggtg   420

gatggtataa ccctctgttt ggtggtggct ccttgtgtga gagtgagaac aatgtgat   478

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aacacaaaac gtgcaccggt ctgtggctgt ggcaacaaga agctggcata ttaaaagtgg   180

cggctatgga caatacctgt atatcacaag ggtgggcgcg tatgatgatc ttgatgagat   240

gaccagggtg ccgaatacta tcgaccatga ccttattatc atcaaaaaga gttggccgct   300

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tgataatcat acactcgcac ccactgatac tcaacgctac atcgaataca gacaagctga   180

tggtcatgaa cagcttaccg gatatactga aatagaagaa cgtgatttac gtgacactgg   240

tgaaccatgc catgatcaac cacggcatat gctcgctcac cattcccgga catcacgagg   300

tgatagtgat ctggatggga gcctc   325

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agaaccatag gccgtgaact catggagatg agagatggaa tacgatgcac atcaaagcgg   180

ggtgcgggaa gcaagcatct tctcagtcgg acaaagtcac atgtagcttc agatgtgctt   240

gctacttcat ttgaactcta tccaccaggg acagtgggca aatctaccat cctaattgct   300

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gatttcagct gtatgccacc aggattggca atcaacaact cagcagatga cgattacaat   180

gtagtaatgc aacacctctc attcacaggc aggtttagtg tcaaagctgc tcaagcagat   240

ggcgaaggct tggaaagtag agagtggata acagtaatcc atggtaaata tgtcttttcc   300

aatctttcca aactgcaaga ttacctttc ttgctcctcg gcagaaatat tatgagatgg   360

atcaacagca gctacaagtt gaaagttctt aacagaagcc actgaaacgc gacccttgaa   420

gtttagacac cagcactgta gctgctcatg ccatctggga gccttgtttt tcagtgctaa   480

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tgcaccacaa ctgcgaaggc cactgtatgc attcaaccac agctatggca gccatctagt   180

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ggaatactga agactcatga tataagtgat gctaacccag aggatgctcc tacatgtttc  240

gcacatgttg aagagtgact caaatgatat gtctgcttca gggggaaaa  agtatctatt  300

taataagatg acatctaaga caatggcgac aatcatgcgg cctcaaccaa ctgcggagtt  360

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ctacactctg caacgccgac atcgcagtta cgccagtagt cctatgagtg caatatcata  180

ctgtgccatt gccacggttc ggacgcctct agtaacaacg ggagaatggt tcaattggat  240

gcgcactaac ctactgacac ctacgtaccg cagctgccat tgggaaaccg aatggaggca  300

ccacagagcg ggatcatatg ccttcaaaac acacactcaa agctccttac agaaaagtgc  360

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ttccgaagac ccagaaacct ttgcctaaaa ccttgaactc agatagatcc actgcaggcg   180

ggccatgctc ggagcactgg gctgctgcaa gccggagtca gctgtcct   228

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<223>   Clone ID: jC-gmfl02220082g08d1

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tacctaaccg gtgagatccc acgcgaatac ggctggaaca ctgatgggct ttccgcagac   180

ccaggaacct ttgccaagaa ccgtgaactt ggactgatcc actgcaggcg ggccatgctc   240

ggagccttg   249

<210>   7003
<211>   138
<212>   DNA
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<223>   Clone ID: jC-gmfl02220082g09a1

<400>   7003

3111

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accacactac ggtcccgg   138

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gggcaataaa cctaatagga agaggcccta aataaaccca gagacgaaca accgcacatc   180

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<210>   7005
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<223>   Clone ID: jC-gmfl02220082g10a1

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<223>   Clone ID: jC-gmfl02220082g10d1

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gtaacaggac tcacaggatg ctgaagctcg gactgagcat tgatgaagag gctgctgaag   180

cacatgctga catgcctact gtggaggacg ccgatgctga tgccgatgct gacggtagca   240

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<223>   Clone ID: jC-gmfl02220082g11a1

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<210>   7008
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<223>   Clone ID: jC-gmfl02220082g11d1

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<211>   479
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082g12a1

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gacacagaag aactcactta ttctgcggct tctctttgct tcaatggaga agaaggcaca   180

tgtcattatt cgaaggagcg gaaaaacata tataatgctt cactttctgg acattccaat   240

acggcaatat cacactagta aagtaacaaa cggtggtttc atgcaactgt agagcatgga   300

agatgcatga gtagaaattg ttggaatgca aggccaaaat agtgctgaga ttcattgggt 360

gcatgtactt tgaggtacct tgacataagc tgatgaacga tcaacctgat ggctttgttc 420

gacggattga atgggtccca aatcgcgtaa ttgcgacggt ttggacataa gttgaacac 479

<210> 7010
<211> 98
<212> DNA
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<223> Clone ID: jC-gmfl02220082g12d1

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gtctgaacta tagacatgat cattgaatta gagctcaa 98

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<212> DNA
<213> Glycine max

<223> unsure at all n locations
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tttcaaaggg gcagaggcag cacgtgcctt ctttgtgttt ggtgattctc tcgttgacaa 180

tggcaacaac aactacttag ccaccacagc tagagcagac gctccacctt atggcattga 240

ttatccaact cgcagaccca ctggccgttt ctctaatggc ctcaatattc ctgattttat 300

cagctgagtt ctaattttga tttctccatc gctaatatat tttgtgctgt ttaattaata 360

ctatatggct tttttttttg ttggacgtta catgcgttcg aacccatttc ctgatgaaat 420

tgtcttacta caattatacg gaccaagaat gcccataact aatatatgac ttattatgcc 480

atgtagtgta agttaatttg tgattaaatt ttgcaggtca agaacttggg tcagagtcca 540

cgttgccata tntaagtcct gagctcaa 568

<210> 7012
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<212>   DNA
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<223>   Clone ID: jC-gmf102220082h01d1

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ccaagatcga agctagtaac aattgaccct tccctaaata cctgtatcag tcctcaagat   120

cacacagtag aactcactta atatgcggtt tctatatgct tcaagggaga acaaggccca   180

tgacattatt ccaaggagcg gaaaaacata tataattctt cactttctgg acattccaat   240

tcggaaatat cacactagta aattaacaaa cgctgctttt atgcaactgt agcgtatgga   300

agatgtatga ctagtatttc ttggaatcca aggccaaaat agtgctgaga ttcattgggt   360

gcatgtactt tgaggttcct gacataatct gctgaacgat caacctgttg gcttttttccg   420

atggatggaa tggatcccaa aacgcgaatt cgtgacggtt tggacataag ttggacacta   480

ccgtgcatag tccaagacca ttaaagg   507

<210>   7013
<211>   570
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220082h02a1

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agattgtgga tgattggctt gatcagcact tgggtggtgt acttacggta tggttagtac   120

ctcatttcaa taatcaaagc aaagaacata ctcgtttgct tggtactagg gcggtaagac   180

aaattgtaaa aagtaatgta aaattttgca atgaaatact gttttggtga aattgttgtt   240

tggtgtcatc gctaccaaat gatgcaatat ctttgcatgg attatctctg caaaaagatt   300

aacgcgtgct gtaatgctag tgtcactaat gttcatcaca tatagcagta atcttcgatc   360

taagatatga aactataaca tgaaattttt tattctttt aatagctaaa atctagaatt   420

tacgagagtg acagaagtca gtggaggtga actntggtaa tactggttct gaaagaattg   480

atgttaaaga gaaattaatt cctgtctgca aattacggag tattctatga atttcatttg   540

actggatagc aaagagcatc atgttttaag   570

<210>   7014
<211>   571
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220082h02d1

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aatcaactga aatataatta attaactgaa ctacaattaa aagaaatcca caaaacatac   180

aacattttct cttaaaacat gatgctactt tgctatccag tcaaaatgaa attcatagaa   240

tactccgtaa tttgcagaca ggaattaatt tctctttaac atcaattctt tcagaaccag   300

tattaccaaa gttcaccttc actgacttct gtcactctcg taaattctag attttagcta   360

ttaaaaagaa taaaaaattt catgttatag tttcatatct tagatcgaag attactgcta   420

tatgtgatga acattagtga cactagcatt acagcacgcg ttaatctttt tgcagagata   480

atccatgcaa agatattgca tcattcggta gcgatgacac caaacaacaa tttcaccaaa   540

acagtatttc attgcaaaat tntacattac t   571

<210>   7015
<211>   517
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082h03a1

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aggtttgcta atggaggagc ttatcctcca gatctaagtc ttattaccaa agcccgtcac   240

aatggtcaga actatgtttt tgcccttcta actggttatc gtgacccacc tgctggtgtt   300

tcaataagag agggacttca ttataatcct tactttcctg gtggagcaat tgccatgcct   360

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aaaatgctta atgatggtgc tgtggaatat gaagatggta cccctgctac agaagctcag    420

atggggaagg atgttgtgtc attcttaagt tgggccgccg aacctgagat ggaagagaga    480

aaactgatgg gattaaatgg atatttgtac tgcactg                             517


<210>    7016
<211>    364
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220082h03d1

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gatacatcac gacctattgc actgttacca cgacctctag ctagaatcg cactgtaagg     180

ctcgagaaca gactatctca gctttcgcta tgcaggcaca cgcacaatgc cgtcctacta    240

ctatatgaga ctgacagaca aggattgtct acactacgat gagcatcact ggctctctcg    300

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ccat                                                                 364


<210>    7017
<211>    536
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<223>    Clone ID: jC-gmfl02220082h04a1

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agaagaagaa tcccctggtg tttatggatg tgtccatcga tggggatcct gttgaaagga    180

tggtttttga gcttttctat gatgttgctc ccaagactgc agaaaacttt cgtgcattat    240

gtacaggaga aaaaggtatc agtccaaata ctggaaaatc actgcactac aagggttctt    300

tcttccatca gatcataaaa ggttccattg tgcagggtgg agattttgtc aatcgaaatg    360
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gaactgctgg agaaagcata tatggttcga agttcccaga tgagtcacct aagctaaagc　420

atgatgctac cggactntta tcaatggcaa ttgcagaccg tgacacactt ggttctcatt　480

ntattatcac tttgaaagct gatcatcatc ttgataggaa gcatgtagtc tttggg　536

<210>　　　7018
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<212>　　　DNA
<213>　　　Glycine max

<223>　　　Clone ID: jC-gmfl02220082h04d1

<400>　　　7018

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attggaaact tacaattcaa ccatccagtc ttctggtcat ggacatgaaa atgggaatgc　120

ttctgccaat acattctcac ccaatgatca tagtttgtat agtgaataca gccaagctga　180

taattatgga caacagggct cgataatca ggctgtagat ggcagctgga gtggtttgta　240

tggcactaac cataagcagg gttttgacat gtacacaact gggtctgcca caacacgagg　300

ggatagtata acttctggtg caaccaaca gattaatcat tcttatggtt caagcatctc　360

tgtgaacgaa catcaacaaa atacttctag ctcttttgga tccgttgcat tgtacaatag　420

agtaaaccat gatcgtggct tggctaatgg aactttttgaa ccacaaagct ttggccctac　480

tggggacact gctcaacagc ttaattattc aaccacaaag cttagtgaac aaaaagttgt　540

ttcaaatg　536

<210>　　　7019
<211>　　　264
<212>　　　DNA
<213>　　　Glycine max

<223>　　　Clone ID: jC-gmfl02220082h05a1

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ttggagaatg atttggtgtt aagtccccat tattcatgta ggactattcc tttttaacgt　120

gtcacatgac gtgcacgtgg ctggtgctgt ggaatttagt gacgctcctt tagcagggaa　180

gtctatcgac tatagcgtat aatcgctttt caatgcatga gaaaaaatac taacgggctg　240

acgccggcta gagagctcat cgac   264

<210>   7020
<211>   332
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082h05d1

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acgtactata acttgataac caattcatgg accctcactt tccacagacg attgatgaga   120

atgaggccca aaacttggtg gtgacaggat accatccgcg acctgctatg tgctccaatg   180

gacactatcc tatgccgctg gcacatggat ggattccgga catgctgagc ctggtcaatc   240

aaacgagctg gaggcacttc accggaagct aagcaaatgc caaagtatca tcagatactg   300

ccattgaacc tatgcatcct tcggggctga aa   332

<210>   7021
<211>   338
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082h06a1

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agaagcatag ggcgtggact caacgtgatg aggcatggga tacgaagcac atcacagtgg   180

tgagccggaa gctgcgcata tctgtcagca cgacaaagtc gcatgtggct ccagatgtgc   240

tcgctacatt atgtgaacct attcatcagg gacattggtc aaatgtacca tagcaaacgc   300

ttctgcacat aatccaccgg gtctatgaga gagcgaca   338

<210>   7022
<211>   332
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082h06d1

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ggaaactgaa ctctaaccat gcaagtcaaa cgtacgataa atgaacagac gttgaaaagg   120

tcctaggcaa agccaaagac taactcatgg gcatctaaaa ttacgacgaa caccaagggg   180

tcatgcatat gccacattag taactgcttg caagcaatcc agaactagct tgaacggctt   240

gaccataggc tcatggcccc gatggagagc ctgcagattg ctggcactaa caaggacctg   300

cacatgcgca tcctgaacca tgacattgat cc   332

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<211>   345
<212>   DNA
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<223>   Clone ID: jC-gmfl02220082h07a1

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caccgctgcg gcaaatgcca ttagatgtat acatgctgac ctgttgcatg tcctcctggg   180

aatactgttg actaatgacc gagacgatgc tcacccagag gatgcactgt cgtgtgtcgc   240

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taagctgaca attgagacta tgtcgacact gatgcctgct tacca   345

<210>   7024
<211>   350
<212>   DNA
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<223>   Clone ID: jC-gmfl02220082h07d1

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aagcaattca actgtagcct ctataggctc tgtggacctc atacagtgac tagcgcacat   180

cgagcatagg ccaaggcgcc tgaagaccaa ccacctgcgg taccggcgcc agctgaagct   240

3120

ttc

<210>   7028
<211>   165
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220082h09d1

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atcggaaaca ggaatgtaac tatggaagct aaacgtccgg gaaattgaca tgatactcaa   120

agaaggtatt cggagccaaa ggcggacaag tgcagcacct gaaag   165

<210>   7029
<211>   548
<212>   DNA
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<223>   Clone ID: jC-gmf102220082h10a1

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agacgaaaaa tatcgatctg attttacttg aggagttgga tactttgag gtggcagtca   180

ctggtggttg ctatcaccaa gactttgaat taacgcgggg tggtgagcgt gccaaaatat   240

acgagaatgg taacctgatc acactcttcc ttgacagatc ctatggctct ggctatcagt   300

gcaaaagcga gtacttgtgc agaaaaattg acatgcaact caagctagtg cctggtaact   360

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gactttgagt ttgtgggtaa cttgagtggt gatccttaca gtctgcacac gtacgtatgc   480

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tttcacac   548

<210>   7030
<211>   268
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082h10d1

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ggcaaaaaaa agacggcaga aaaacagacg gaaggaggac cgtaataatg ggagcaaagc   120

atacggcaag tatacctgag acgcacagct ggcataggac cgtaagaggc acacaagaga   180

gcgactgaac ggacgactag gcataagtga tccactgata acgaggaaca gtatcgaaat   240

gcaagcaaca ctgactaagc atggctcg   268

<210>   7031
<211>   388
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220082h11a1

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acagctggtt gctgttacca agaccttgaa ctaacgcgtg gaggtgtgcg tgccagaata   180

tatgcgaatg gtcacctagt tgcactattc ctaagacaga tcctatgact ccagttatca   240

ctgcaaaagc tagaccatgc gaacaaaaat tggcttgcaa cccatgccag tgacgggtta   300

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atagtctgac gtcgtggggt acctgact   388

<210>   7032
<211>   551
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220082h11d1

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ccatgaatat aattttgcac gctataatta tctttcgcca caaacaatgg agtagtgctc   120

aacaaagcac aaaccaacaa taataacagt tttagttgca ttaatttaca caagaaagta   180

aattaacgta ataggcaaca catgtgtgtc acgttcatga ggatcatttt ataatgatat   240

gcaacattga attaaatatt ctcatgcaat ggagcattct ggaggaaggc cttgagggaa   300

acgtctgata tcagtgcaat aattgtaaat catgtaattc ttttgcaccc aacggatctt   360

tgcctgcccc gtggcgtcca gtgattggcc agtggaggaa gaagtttggg aattgaagtt   420

tctgtatgag gctgtgaatg gtgccttgct ccaatccgtt ttcacaagcc caccccttgt   480

ggcccaatcc tcagngttcc aaagactaga gtatattctc atgggttggc tctctgggaa   540

tgggaaccct t   551

<210>   7033
<211>   512
<212>   DNA
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<223>   Clone ID: jC-gmfl02220082h12a1

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acttgttagg tcacttctgc atgtacaacg acttgcatgc tggtgattca ggtgacacac   180

cacctgatac ccagttacca tccactcact cagaacatga tgaaatacac tctgagttct   240

cgggaaacat aaccgtgcaa ccttatattt tgcaaacaaa tgtgttcacc ggtggcatgg   300

gtgacagata tcatagaatc tacctctggt ttgaccctac aagagaatat cacagatact   360

cagtgctatg gaacatgtac cagattgttt tctatgtgga tgactaccca ataagggtgt   420

tcaagaacag caatgacttg ggagcgaagt ttccatttaa ccaaccaatg aagatataca   480

acagtttgcg gaatgctgat gactgggcca ca   512

<210>   7034
<211>   332
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<223>   Clone ID: jC-gmfl02220082h12d1

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aattgatgat ggcctaaatt attaaccatt caagcaataa ccccaaattg aattttggat   180

caacacttag gggcggcctt tatgaaatta aatggatggg aactttatgg gaatgggaat   240

aaaaattgga gatggcagct catattaaat tatatgtccc gggagggtct atggcttaaa   300

aggataata cccaataaaa ctggttgaaa ct                                  332


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<211>    561
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220083a01a1

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tgcagactct ggagaacact gtcatgaaca acagcaacaa catcacaatc ttcgctccca   240

gaaacgaagc cctcgaacgc gatctcgacc ccgatttcaa gcgtttcctc ctcgaacccc   300

gcaatctcca ttccctccaa accctcctgt tgtcccacat cgtccccaaa agaatcacca   360

aacccgaatt caaaaccggg tcgacccgac acagaacttt agcgtctcac caccacctca   420

ctctccaagc cctgaatttg actcactgga atgttgagtc ttcccgggtt attaacccga   480

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cagtccaaga cgaattcaac c                                              561


<210>    7036
<211>    198
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220083a01d1

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3125

cgtccctata cagggtatgc atagtggagg atagaaaatt ggcgaagctt attgatatag   180

acagttgaat gcagagtg   198

<210>   7037
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083a02a1

<400>   7037

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tcagatgagt ttcgaagggg aagtgaaata tgtgaggcta tggaggctag caaggctgat   120

tgggatactc tttttgagcc ttatcccttt tttgaatcat acaagaatta tctacagata   180

gatataacag cagagaatgc agatgacctt agacaatgga aaggttgggt tgagtctcgt   240

ctccgccagt tgacattgaa gattgagagg cacacttatg gtatgcttca atgtcatcca   300

catcctggtg aattctcaga caattctaga ccctttcacc actgttactt tatgggtctg   360

cagcgtaagc aaggagttcc agtgaatgaa ggtgaacagt ttgatataag gctaactgtt   420

gaagaattta acattctgt caatgcttac actctatgga aacctggaat gaatatccat   480

gtgtcccatg tgaaacgccg taccattcct aactacata   519

<210>   7038
<211>   205
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083a02d1

<400>   7038

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caaaaccgga atagaccaac aggcgcagcg ataaagtcga cgcataatac gaccaacacc   180

cttggtgaat caaaaagtaa tggct   205

<210>   7039
<211>   378

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220083a03a1

<400>   7039

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gctgagaagc ctgtgataac tgatgattca aaccaacttg aaccttctct acttgatgag    60

cttcttgcca acattgctac actatcttct gtttatcaca agcctccaga tgcttttgta   120

actcgtgtac attcagctca gagaacagaa gacgaagact ttgctgaggg aagcgaaaca   180

gggttttctg agtcacctgc aaatcctgct aatggtcctg catcaccgcc tacatctgca   240

acaggtgcac cagccacacc ttcatctgtt gcacctgtgc cagatttact tggtgatttg   300

atgggcatgg ataattctat tgttcctgtt gatcagccag ttactcctac tgggcctnca   360

tttacctatt tactacct                                                378
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<210>   7040
<211>   510
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220083a03d1

<400>   7040

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agctagncga ggcaatgttg ccgctactag ctatgtacat gtgagcacgt cctcctgtct    60

tgggggggg gggggggggg gggggggggg gggggagagg agaaagagga gggagggaga   120

taaggagctg ataggtacgt aaattgaaat aaaagcgcgt ggtagcacta taatgcaagt   180

tagcccctta agaatcctaa aaagcctggc acgcaaaggt gcttacccgt aatgaagccc   240

aaaccagaag ggagagctaa agaacagaga tgtatattgc gttaccagag ggagtaaaga   300

ggcgaataaa aatgagagag tagtaatgat ggatacaaaa aatatggggc aaaatatagg   360

gatttagccg aacacgtgaa agcctggtca aaaaaacgct acaaagggta ccctggccac   420

gtggcaggct atagggcatc ttacccgggt tacgtaatcg ccgaacggta aggaataagc   480

ctagtttgtg acccaccgaa ctgcccaacg                                   510
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<210>   7041
<211>   287

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083a04a1

<400>   7041

gattgtagtg agaacactgg attgagcacg acaatctgaa agaggtacag ctctggcagg   60

atggaatctt ttgtgttgat accggatgat gttatctctg agactaagaa tccaaaggga   120

cgatgaggtt gaagcagtag tattcaagtt agcatgagta tcaatcgttg caggatggaa   180

tcttttgtgt tggagtttgt tttctctttc agtattattt ttttaaccct ctagttaaat   240

agttaaaaag atcttaatta ataaacacat aaaaaaaaag ggcgagt   287

<210>   7042
<211>   333
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083a04d1

<400>   7042

ggcgtgacgt tgccaggaga tttgccgtga ctgcatgtgt gccacgtcct cctttttggg   60

ggggggggg gggggggggg gggggggggg ggagaagaag ggacggtggg aaggaagaga   120

atgcggttac cggaatgaac ctacaggcgt acagattaac tgcaggtatc acacgattaa   180

ctgaattggt aaatcatgct gtaaatgtgt aatcgcttgg gccatttgga cttgtgcaca   240

aaatagaagc tcccaagcat atataccagg ctagatgctt agacagatta gtggtagtat   300

gccctcactg taagttactc gcattgtgat aag   333

<210>   7043
<211>   625
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083a05a1

<400>   7043

tcactaggac tagcgtagat ctatgggtag ccaactgtgc caggtacctg tacacgactg   60

aaagtagtca aagggtggga ttgctggtgc ggacgttgag cagcttgtaa tattgataat   120

tacggtactt ataggtggtc accgccggac accaccaaag agtgtggctg aatacgggca   180

3128

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aaccatggac aggtggccac aagccctatc gcagcaaatt gcatggatta gggaaactgc   240

tgcgcctaag tgtgcattag ctgctatggc tacggttgat ttactaagtg cgaacgctga   300

cgatgaagag cggggagctg tagcagtgtg taaaactgca acatgggcta agagtagtta   360

aaaggcagct taggctagtg gtgccaatag gtatgcagaa tgtgcggcgc aaaatagtag   420

ttattggcta actgccgggc aaaaaagtgt gccgtacttc attggtgacc tattggccat   480

tgttgttgcc gggtacgtag cggttgttga ataaccggt atttatgcgg gtgcaggtag   540

gacgcccaag ttaaggagcc agcaggatac ggccggccag cccagagtac gcttgctagt   600

aattaatcag ggacctttgc agccg                                         625
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<210>   7044
<211>   581
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083a05d1

<400>   7044

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ctgctagcgc ttgccaggca atttgccgtg ctgcatgtgt gcacgtcctc cttcttgggg    60

gggggggggg gaagacaaaa aacagttaaa ggggagggaa caaaagctta aagtaagtga   120

ctagactagc aaaataggta ggctaaacgt aggagaaggt aatactgaat agcgcgcaaa   180

gtgaaagtgt aagccttaga gttaagccga ggagggatta cagttgctac gcattgcaaa   240

attatcagta ctgcttgtta aagtgcgtca ggtgttcctc atctaatgta gttaaaccaa   300

ctttagtaca atcccaacgt tgtgcaaaac aacatatttt atgtatattt tgaggccgtt   360

tatatagtgt atatatgtgt acccacttag gcggcggcgt agaccgatat cgtgcctagt   420

gttatctttg cggatggtta atccggtttt ggttccgcag ttcgttttct tctcctaaca   480

atggaaaacc ttatggcata ctagtaataa gtttgcaagc ataatgggga gacccggaca   540

atttcaagaa cgatgttgta ctggtacaga aacaactttt c                       581
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<210>   7045
<211>   572
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083a06a1

<400>   7045

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tcactaggac tagcgtcgat ctatcgctag caatgtgcca gagtcctgtc accactacaa    60
ccacggtcta attctggttt ggtggttggg ggactcctcg tgtgcggcgc taatagccac   120
cataacagac acatgctaca taaaaaccgc tgccggcaga ggcgaaaagg actataaaaa   180
acacctggaa acccgaagtg cccacctgcc aaacaaggtg gcaatacgta gcagaaaaac   240
gggcccctac cgggcacgca gttagtaaac acagtttagc accgaggcct gctagggtga   300
aacatagggg taaaccacca cagggaaac ggggggcaga atagtagctc atagtaggta   360
aagtaagaga gcggccactc atgcaaacag aaagtgtagc aggttttgca ctacacctga   420
cgttaactaa tgtgctacta gttaggagag ttaggccagg aggtagggtt agtaaggcag   480
caacccgcca gacggcgaaa tggtaaaaat aaatttaagc gcagcaacgt gatgcaaagc   540
cggctggcgc atgctcaaag ccggtgtgcg ca                                 572
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<210>   7046
<211>   545
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083a06d1

<400>   7046

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ctagacctat gccaaaccaa cgttatagca tgtgtagcag taccaccttc ttggggggg    60
gggggggcca caaagagctt aattaggaga ttagactagg aaaaagggaa aattacgcga   120
agcgagatac cgattttatg aaaaaacgat aaacagacac aggagacgta gtagggtgta   180
actagtaatc tgaaacccc ataaaaaaaa aaaaaaaccc tccgtctttg ggggggggcc   240
ggggcaaat aaaatccata aaagagtgta gatacctgcc gtactataat ccacggagga   300
ataatctatg ggtgaagcgg ctttaatgaa cacatctagc aagacaaaac ggaagtataa   360
aaaaccaccc aaggcgattg aacaaaagga agagtctggc agagaaggaa ggtttcatgt   420
cacaaaggac ccgcaaaaaa agcaaacaaa cactacagcg accgactgaa acccacacgt   480
agagctataa agcattacta gatggtaaca gcccaagtaa tctattgcac agagcacggc   540
ttaga                                                               545
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<210> 7047
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220083a07a1

<400> 7047

acactaggac tactcgatct atagtagcaa ctgtccagag tcctgtcact aaccagtaga   60

gtgtacagca gagggcaatt agatcgcata actgaagtgc accatatcgt acagacagcg   120

cacgacccag attggtgtaa actggaagcg ttagccattt agaacagtag atagtgaatg   180

tgcagctagt ctgatactat aattcaactg ccacatatca tcaatcgcca ctagatcatc   240

agtgg   245

<210> 7048
<211> 560
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220083a07d1

<400> 7048

ttgaccgagg caagtttggc cgtgctagca tgtgtagcag taccacctgc ttggggggggg   60

ggggggggg gggggggcg aaaaactaac gaataggaac ggccaggccc agatataaca   120

gaaggtatag gagtgcaacg ataggctaag aatagagatg gtattaaata taaagtgaaa   180

aatgtgtaaa acgttataac gtagttgggg tgggtagctg tatggcttcc ccatcaacgg   240

ccgcctcgac ctttacctag gcggcggcat gcccgttcta accgcagtac taaccggtgt   300

taagccattt ggattccgca taagccttgc aataaacaat ttaaatagac acaatagcct   360

taagtgtttc ggtggcacgg ttggtattgg aactgtacta aaacttgtgc ccgtagtact   420

aacctttaag cccgtaaact gcttattacc cgacaggccc gtacgcattg tattcacccc   480

tttattacta agatcagaat ttgtaatact atttaggacc agaatggccc gcctttacag   540

cctcaacagc tgtgccctcg   560

<210> 7049
<211> 580
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220083a08a1

<400>   7049

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tgccatttgc aaccagcgcc gcgcaaaggg cttagccggt ggctgcagag cgggccagcg   120

cagcggaagt ttttgaggat gaccgaaagg gggaggcggc taggtaacaa ggagaaggtg   180

atgcaagttg cagtcagaag ctgaaagaaa agagagacgg ccaagcccct ggagggagat   240

atgtcgtata tggcctagaa ggaaagggat gcttgctagg gggggggttag tgcagtacgc   300

ggcggaagcc gccagcctcc ggtagcctac aaactaaaaa agttcttaga ggaaaagagc   360

ctccagccgc gactccaaaa gcctccagcg tagccgccat aaaaaaaaga gagaaggaga   420

gagatagaga aagaggaata aaataagaca gaaaaaagaa agagaaagaa aaaaggaaaa   480

aaaaataagc caggctaggt aaagaaagga aaaaacgggt agcacggtat agaagaatta   540

acgattacta ttaaagaaat gtaggtaaca cggtaaaaga   580

<210>   7050
<211>   550
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083a08d1

<400>   7050

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acaaaactgg gcaaagaaaa ataaagggac ctggcgtaag ataggaacgt tgctgggagg   180

tgtcggcctg ataggttcta aaaccgcgtg acgtatgtaa cagcaacggg agagtgggca   240

gaggaggttg gaatcaacca caaataaata tgcaaattaa aagaagcaag cttttttttac   300

gtattactgc taacctatta ggctggtaag cgcggcagtg attattgagc taaaaaagca   360

aatgacgagg atatcgtggg tttggcgggc ctaagaaaag gaacatgtt gttatgttta   420

aagaggccca cgcacaactg cttaccaccc tgctattaag cttacactta gtaggactag   480

ctgtaagcat aagccgtgta ctacttgtag tgtttactaa ggttggtacg ctatgtgtta   540

3132

actaggtgtg   550

<210>   7051
<211>   430
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083a09a1

<400>   7051

tgagtgacta ggactagcgt cgatctatgg gtaccaactg tccaaggtcc gtcactgttt   60

tggctcttct tctactaagc ggcatcaatg ttctagttcc tccgcatctg ttggtgtctc   120

cggggcagat cttcatctgc cattggcaag tcctcctctg ctgttatctc agtgttcact   180

agcctcccga tctcgatcgc actagcctcc tgtgcctcct aaatcctcat aggtctctcc   240

tccacctcct cgctcacagc ctcgcccact actgctatgt ccccttcgcc tatgtccgct   300

gcttccgcgc ctctcatctg gatgttagcc tcgcttgttg tcgcctctct tattatgatt   360

ctaatcttca cggtacccat ctctgggacc ggggccaggg cccaagtagt agcccaccta   420

tctgttgttc   430

<210>   7052
<211>   571
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083a09d1

<400>   7052

ttgccagggg agtttgccgc tgctatcatg tgtagcagta ccacctgctt gggggggggg   60

gggggggaaa gaaaggatga aatagaaagg aatgtactgc gcccgactat aacaaaggtg   120

ctggtggagg ataacagtga ttactaaacg gccaaggag aacaagaata agccagttta   180

tggaggttag tccataggta atagttagat tagatcccag tatgcagagc gccatacatg   240

ttatagccta gattagaatg aagaaaaaaa tagcctagac tagaaagaat taaatttaaa   300

gaagaaagca gataacaggt agttagcaat aacataacag gtggactgag ggataaagct   360

ataagctggg tgcagtgtgg tggagcgttt gcgtgggata ggaaggtggc ttaggggtgt   420

tagccaacgg ctaaatgtac taaacaaagg cgtaatgcat ttggtaacta aggtaagcag   480

3133

ggcacttggg cgcatgcacg ggcgtaataa gctaccagtg catgcaaaga cattttggtg   540

tggaagtata gcatgagacg actgaacagt a   571

<210>   7053
<211>   533
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083a10a1

<400>   7053

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tgtttaaact attggtattg agggatatgt tattaaagcg gttgatgttg ttaaaaatat   180

tagtgttgct ggagacgttg gtaaagctgt tggttttgta gaattaattg tttgagctat   240

tgatattgtt aaaaatattg gtgctggtgg agaagttgtt gaagcgtttt atgttgttta   300

aaatattggt attgagggat atgttattaa agcggttgat gttgctaaaa atattagtgt   360

tgctggagac gttgttaaag ctgttggttt tgtagaatta attgtttgag cgggtaatat   420

tattaagcat attggtgtta aggaagacgt tgttaaagcg gtttatgatg atgttaagaa   480

tattggtctt ggctaattaa ttggagcggt taatgtttgt aaatatgttg gtg   533

<210>   7054
<211>   296
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083a10d1

<400>   7054

ctaatcaata ggggtactta aagcagcacc gaccagaact ataattcaag ttccaaaaaa   60

aagtttgatt tttctaacca agagtggtgc ttagagcagc accgaccaga atggttaggg   120

aatacactcc aaaccgggac ggggttatag acgacgcacc gtttagtctg gctggcgtcg   180

tttcgttcga cgacgacggc gtttgagatg atcccgacga cgacgacggc gagggggttg   240

ttgccgccgc aaacggtaat ggcggcgatg ttgccggggt gagggaggaa aagggt   296

<210>   7055

<211> 572
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220083a11a1

<400> 7055

agatacagga ctagttgatc tatgctagaa tgtccaggtc cgtcatgtgg ctagtggcgc   60

ggcgcgtttg tggggaactg agggttggtg tggaatataa ggccggcgct taaggcttag   120

acgtattaat taaggaataa accgagagag agtagtagag tagtattaaa gcaaaaagag   180

gcccggcagg gggtggcacc gccgcctgat ggggcgccgc ctacttatac tgccgactgg   240

ggattaacat gggcaaagaa tcgccccgcc gcactcgctt aaaagtgagc acaagccaaa   300

ttggtgtata tgtgtttggc atacacttgt gcctgtgcct gggtcggtta aaaaacacga   360

tggcggtcca aaaaggcata gctactgtaa ctggcgcttg ccgaatgtgc tgccaatacg   420

aatgcttgag gagggagtgg tgtgcccctt gatgtagcat caaagacatg agcacggggg   480

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caatacacaa taatacggtt agtgagccgg tc   572

<210> 7056
<211> 540
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220083a11d1

<400> 7056

aataaaactc caacaatttt attaatgaaa atactttaca atttcagcac atatacactg   60

ccatgaatat aattttgcac gctataatta tctttcgcca caaacaatgg agtagtgctc   120

aacaaagcac aaaccaacaa taataacagt tttagttgca ttaatttaca caagaaagta   180

aattaacgta ataggcaaca catgtgtgtc acgttcatga ggatcatttt ataatgatat   240

gcaacattga attaaatatt ctcatgcaat ggagcattct ggaggaaggc cttgagggaa   300

acgtctgata tcagtgcaat aattgtaaat catgtaattc ttttgcaccc aacggatctt   360

tgcctgcccc gtggcgtcca gtgattggcc agtggaggaa gaagtttggg aattgaagtt   420

tctgtatgag gctgtgaatg gggccttgct ccaatccgtt ttcacaagcc caccccttgt   480

ggcccaatcc ctagcgttcc aaagactaga gtatattctc atgggttgct ctttgggatg   540

<210>   7057
<211>   595
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083a12a1

<400>   7057

atcactaggg actacgtcga cgtagtgggt agccaatgta cccaggtccc tgtacactgc   60

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caaccgtgtc tgagatggat aggtttgatt ggatagccag catgtgcatg agattagttg   180

tagtacgcct agcaactaaa cgcatagtcg cggtgctgca tcatgtaact acattagcaa   240

acattatggg tgtcaactta tatgtggggc ctgtatttaa attacaattg cgctgtgtaa   300

cagtacaaac cccaatagct cgaaaagttg gtcgctggat ggggaccata ggtatcggcc   360

gcttaaaaaa cgcaattact aacccaacta tcatggctct gggagcagca ataatcttta   420

gcgtgggcca tattaggcgt caccaattcc agtgtaaaat taaccgtagc gtacagtggc   480

aagtcggctg gacaactaac tacggtgagc attctgtgca tgctagtgaa aaatatactg   540

gttgtggaga tcacgctgat aatagtcaat aagtcactgg acatgtgcat agcct   595

<210>   7058
<211>   462
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083a12d1

<400>   7058

aaccactaga ggaacatgaa atgaatcatt gtctaaactt atcaagcact gcgcaattac   60

acaggagtga tggctcatgg acacgcgaaa ttgaatatct acctctagca aaaaggctat   120

ggttaacaag aatctttcca ggatgaaccc ccttgatagg ccacttattt taatgcagaa   180

tgtaaagaac ggttacagcc aggacgggcg ggcacccaac ttgcgcttgc actcatcatc   240

acctgcatgg caatgttgat atgcaccata cggcgcaaac ctactgtgta aggagtaaca   300

tgcaataacc tgccagtcat gctagcatag ttactgagag accagcatgt tccaaacttt   360

3136

```
tcaaatgcat gactatcctc atgcaggtca ctaactgcac atgttccagt cctggactca    420

ccatcaatga ttcttgatat ggatgacatc taagatgcac tt                       462
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<210>      7059
<211>      486
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220083b01a1

<400>      7059
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ggggatgaga gagcatgagg aagaccgtca ccaagcaggt ctcctcagga agcccatggt     60

acggcccaga ccgagtcaag tacttgggcc cattctctgg cgagcccccg tcctacctaa    120

ccggtgagtt cccaggcgac tacggctggg acactgctgg ctttccgca gacccagaaa     180

ccttcgccaa gaaccgtgaa ctcgaagtga tccactccag gtgggccatg ctcggagcct    240

tgggctgcgt cttcccggag ttgctgtccc gcaacggggt gaagttcgga gaagccgtgt    300

ggttcaaggc cgggtcccag atcttcagcg agggtgggct cgactacttg ggcaacccaa    360

gcctgatcca cgcccagagc atcctcgcca tctgggccac acangttatc ctaatgggtg    420

ccgttgaagg ttaccgtatt gctggtggcc ccctcggtga ggtcactgac ccaatctacc    480

caggtg                                                               486
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<210>      7060
<211>      337
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220083b01d1

<400>      7060
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aacttaccgg aggcattacc gtgctagatg tgtagtagta ccaccttctt ggggggggg      60

gggggcgaaa aactacgaat aggaacggcc aggtccagat ataacagacg gtataggagt    120

gcaacgatgg tattaaatat aaagtgaaaa atgtgtaaaa cgtagggtcg gtgggcatct    180

gtatgggttc cccatcaacg gccgcctaga cctttacctc ggcggcggca tacccgtact    240

aaccgcagtc ctcaccggtg ttaagccatt tgggttccgc ataagccttg caataaacaa    300

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<223> Clone ID: jC-gmfl02220083b02a1

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tccttccatc tccttcttct ttgaagcctc agaagcttcc cttcagaatt cgctatggtt   180

ctaccatcag agccacgtca tcatcctcaa cccccttccgc aaccattgcc gaacctgaag   240

gcattaagat taaatcgatt ccaaccaagc ccattgatgg acaaaagact ggaaccagtg   300

ggcttcgaaa gaaggtgaaa gtgtttatgc aagacaatta ccttgcaaat tggatccagg   360

ctctgtttaa ttcattgcca ccggaggact acaagaatgg tttgttggtg ttgggaggtg   420

atggtcgata ctttaatcag gaagctgcac agataataat caaaattgct gctggaaatg   480

gtgttggaaa aattctggtt ggaaaggaag gtattttgtc aacaccagcc gtttctgctg   540

ctataagaca gagaaaggcc aatggtggat taatatgagt gcaagccata at   592

<210> 7062
<211> 215
<212> DNA
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<223> Clone ID: jC-gmfl02220083b02d1

<400> 7062

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atgaggtggg gggaggagga ggggcggcta tcgtc   215

<210> 7063
<211> 320
<212> DNA
<213> Glycine max

3138

<223>   Clone ID: jC-gmfl02220083b03a1

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gttcggattc cccattgaca tttctaatca aactaacaaa ctaatatttg ctgataaaga   120

aaaaagaatc gtaatgattt tgattgatag tctcttattt tgtgtgagtg ataattgtga   180

tgcttatgta gctaagtcaa catggctcac cttgaagatt caagtgcatg gaattcgagt   240

atacctcacc ctaagctcaa tgaaagaatt ctgtcttctc tgtcacggag aactgttgct   300

gctcacccct ggcacgattt   320

<210>   7064
<211>   395
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083b03d1

<400>   7064

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ctgtgcgttg ggggggggggg gggggaagag gtgaaaggaa agaggagggg gggggagggg   120

gaaccggggg gggggccgg aatgcaaaag gtgggtagcg cggatgaggg ggttaagttt   180

aaaatagccc gaaccattgg aaggtggcaa agcaatggta gagggcccccc gctaaataat   240

tccgggtaag ctaaacgggg aaatatgcgg gccataagaa ttcagctagt atggcgctag   300

ggtaaaatac cacccgaagt ataaagcggg agcccgcggt gtaggttaag gggatgtggg   360

gacggccaca gtatgcaaag tcccggggaa atggt   395

<210>   7065
<211>   439
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083b04a1

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tactctttga gactgctctt ctaacttctg ggttcagcct tgatgatccc aacactttcg   120

3139

gtaacaggat tcacaggatg ctgaagcttg gactgagcat tgatgaagat gctggtgaag   180

cagatgctga catgcctcct ctcgaggacg ccgatgctga tgccgatgct gagggtagca   240

agatggaaga cgttgattaa atctaactta attattgatt tgcctttgtg tttttagaaa   300

caatgattgg ggaacagtct tttactatgt ttatgttttg aattttcgaa attctggaat   360

gttggctagt taggtgccgt ttcctggatt agtagtgtat ttagtttcta tatggaaaat   420

ttgtgtcagc tttctggcc   439

<210>   7066
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083b04d1

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tggggggggga ggggaggggga accagtggaa tggccagaaa ggctagacac cacacaattt   180

acaacaataa tggaaccaaa acatgcgggt ttagtacccg ggtaaaaaaa ataggccccc   240

agtaagaagg accccacctg gaaatcctgc tggtagtgac tgatttgtac tggtcctaga   300

tctactcctc gttcacacac cacctagcgt actggtgcag agtttactcg cggtagaaag   360

ctgtacggta actggaaaaa gatgcgccag ttgcgggttc aaacccggcc c   411

<210>   7067
<211>   200
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083b05a1

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gcgcgctggc agaacagagt gcatgataac cctaatcaat gcaacacaca gagtcatgca   120

ggaagcgcag gaaacaaatt ggactcagct agtaacctaa cagattttct ggaggcgcaa   180

aagagtgttt agctaggctg   200

3140

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<211>      490
<212>      DNA
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<223>      Clone ID: jC-gmfl02220083b05d1

<400>      7068

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gacggcccac tagtatgttt aaacacccac gcatgggaag agttggactg ctgttgccgt      180

ttgcgatgac tgatagcttg acacttcacc caggtaactc aagtagctta ccggtgtaaa      240

ttagcacacc aattgatcca agtttagcac agctattgta tcgccactga tgatatgcct      300

ggtatgtttg cgagagcttg tactggttga atggggcctg gcggtttgtc cactgctgga      360

ttgaagtgaa ggtgtgagta taacagtgcc aacgctaggg atactaccat gcaaataagc      420

cctcagtaat ggctgtagcc aagttgccct accgcaatgc gctgctagca cactaacccc      480

agctatgggc                                                           490


<210>      7069
<211>      474
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220083b06d1

<400>      7069

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ggggggggg gggggggggg gggggggggg gggggggggg gggggggggg ggggacgag      120

tacaggccca caactgttgg aaacattcaa aaaataatac ccaactcggg gaaataaagg      180

ccttgcgggg aacgggattc cccagctgga gcaggtaccg aagaaacagt ttaacgccta      240

ttaggggaa ccgggtaagg tttgtgggaa attttcggaaa agggggtttt aactaatggt      300

ggaaaaacta ggcggaattg gaatataaaa tcattggggt tttattaaaa gagttccaag      360

aaccctaacg gatttaggga atagggctac agggggtaaa ataggagttg ttgcctcggc      420

catggcatta gggcttgccc ggaaattttc tcggggtttg gttgcaaact ttgg           474
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<210>   7070
<211>   516
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220083b07d1

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ggggggggat acgttgaatt aagaaattga gaagagaaga ccgggccaga gccggggcgg   120

cgattagggg gtagtaaggc atatactgca gtgaatcggg cgagataatt acacaacccg   180

aaaaaaagta gacaaggggg actggatagt gatagaaagc aaggagaggt agtaagtcgc   240

aggcaccgtt cggtgagcaa aacatggaag agtgccgcga gaagccccgt ggtggtacag   300

cccatatcat gcaacagtgg cgttgtaggt atagtagcgt gcgtagcgaa taaagataaa   360

cagcgtagaa ctatgattgg agggcagtgg gttggaaaaa agagcccatc aaaggcaaaa   420

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ccctaaactg ctaaaacatt aaggtcagga ccgaag   516

<210>   7071
<211>   523
<212>   DNA
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<223>   Clone ID: jC-gmf102220083b08d1

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ggggggggc cagacaaaga gtaattggta gggtacaaaa aacactagag ttgaagcgcg   120

aaggggaaa aatcgcgaga gagaagtatc agggaaatt atacaagagc aaaagagaag   180

gctaggatag cggattactg gccgcgccga agattagaag agaaacttaa agccatagaa   240

gcggggaacg cgacggccac taattcggtt attggatgag agccactaaa ggggtccacc   300

tagcataggg gttaccaaat gcatggctat cttgtacttg gtggtgctgt gggtctaccg   360

ggtgtggtgg tgtctggggg actactagcg gattgggctg catcgaggac actgaaatcg   420

gtgaaagttg gtgggctggc gatgcggagg ttggctgtgg ctacttgcag agactctgta   480

3142

gccctgtgag ccggcgcgag tgatgagtgc gtatcttggc aaa   523

<210>   7072
<211>   545
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<223>   Clone ID: jC-gmfl02220083b09a1

<400>   7072

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cccggacccg gaccgtttga ggtaaggtct ggtaagggtg ctaacacatc tgttgtttca   180

cacatcttag cccaccgcat acgcttcggc accaagttca accccgtaat cgtaatagta   240

atcggtctgc tgttaatccg gttaacgggg ttcggtacag gcttcgtcag gttattcgta   300

cggttggtaa acagcttctt ctggctactg ctcatagttt gcttcactaa taatcttgta   360

gagataaccc gtctagtggc aaacagcagt aaatttgttc aactgatccg ggccacctac   420

agtatatgcg ttagggccgg tcgcctgtgc tgtggcttaa gttaatgccg cccatgaaga   480

tgacgactat tcagattaag attaagatta agagtttaat acagaagctg acacggctgc   540

cgctc   545

<210>   7073
<211>   444
<212>   DNA
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<223>   Clone ID: jC-gmfl02220083b09d1

<400>   7073

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gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg   120

gaatagggac aacaaggtaa agggaggaac gacccaccct aacctaaaaa cattcccaat   180

atttaaccac cttataccct taaattacac attacaattt ttacaaatag aaaaaatccc   240

ccacccaaaa tagaaattta ccctatagaa ccctcttgcc tttctaaccc atttccttac   300

aagttttacc ctttaactta ttgacataac cacaaataca acagttaaag acacaaactt   360

caacttacgt gggtatggtt tacaagccca accccaccc cccaacccta aaattctttt   420

taaagggccc cacgcacaat tatc   444

<210>   7074
<211>   542
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083b10a1

<400>   7074

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cctgtacact cctgtcactg tggtgtgtgg tgtgtgtgac ccggcttggt tggtgtgtgt   120

tgggttgttg ttggtttcgg tcttccttcc aagttgaggg gttccttaga gggttcctgc   180

ttgctaaggt tttggtattg gttcaatgta agtaagtggg gtaaggtcaa ctgcggctga   240

gtggggctac tcagaggcca ctacacacac ccaacagcct aacgtaaact ccgcttgtga   300

caaccacgag ggtcgtcgtc atcaccacac ttgtgcaagt acccctcttg ccaaaagtaa   360

gggttgtggt ctcattgggc ctaggccttc caaactccat gcgcaaagta ggctcatgga   420

taaacctttg catacgattg caaataataa tgcatgagca actggcttcg tccagctgct   480

ttcgaaacgg cagctgtgag gctgaatgca ggtgaagctg ggctgtgcgc caagttgtat   540

ac   542

<210>   7075
<211>   438
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083b10d1

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tgcgcccctc caaaattgaa gctaacttca gcttggcctc ttcactggca taactcgttt   120

cttcatttaa tcaaactcgc ttcaagtacg ttaatatgcc taagccagca acaagtgcag   180

caccagcagc ggcggcacta tatgctgaag cccatgcatc tgaataagca taacttcctg   240

aacgagaacc tttcacatta tcacgtggtc ctgcgtagtc caaatgcaat ttcaacccct   300

3144

tcaaaccagc tgtccttgca tgatccacag ctgctgcaag atcactgtct gaagccaata   360

caactttatc atgatcttcg tcttcataca gaatttgggg tatgttgtta ggatcgatat   420

catcaccaag tctctgaa   438

<210>   7076
<211>   572
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083b11a1

<400>   7076

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acgtattaat taaggaataa accgagagag agtagtagag tagtattaaa gcaaaaagag   180

gcccggcggg gggtggcacc gccgcctgat ggggcgccgc ctacttatac tgccgactgg   240

ggattaacat gggcaaagaa tcgccccgcc gcactcgctt aaaagtgagc acaagccaaa   300

ttggtgtata tgtgtttggc atacacttgt gcctgtgcct gggtcggtta aaaaacacga   360

tggcggtcca aaaaggcata gctactgtaa ctggcgcttg ccgaatgtgc tgccaatacg   420

aatgcttgag gagggagtgg tgtgcccctt gatgtagcat caaagacatg ggcacggggg   480

cccgaatggc acgccgcagt tggatatgtg ttatatcaat cgaggtactt aacccaaacc   540

caatacacca taatacggtt agtgagccgg tc   572

<210>   7077
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220083b11d1

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ccatgaatat aattttgcac gctataatta tctttcgcca caaacaatgg agtagtgctc   120

aacaaagcac aaaccaacaa taataacagt tttagttgca ttaatttaca caagaaagta   180

aattaacgta ataggcaaca catgtgtgtc acgttcatga ggatcatttt ataatgatat   240

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gcaacattga attaaatatt ctcatgcaat ggagcattct ggaggaaggc cttgagggaa    300

acgtctgata tcagtgcaat aattgtaaat catgtaattc ttttgcaccc aacggatctt    360

tgcctgcccc gtggcgtcca gtgattggcc agtggaagaa gaagttcggg aattgaagtt    420

tctgtatgag gctgtgaatg gggccttgct ccaatccgtt ttcacaagcc caccccttgt    480

ggcccaatcc ctagcgttcc aaagactaga gtatattctc atgggtctgc tctttgggaa    540

tggaa                                                                545


     <210>     7078
     <211>     668
     <212>     DNA
     <213>     Glycine max

     <223>     unsure at all n locations
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     <400>     7078

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accgccggtg ctgacagggt gccttaacgt tagggcccag cacccgtacc aggctatggc    180

tgcaaaaccc gagtaaagag cacgataaac aacaccatgg caccaataac acgttgtggt    240

gttgttaaag caatttccgg tataacaaca ggttccggtg tagttataag cctaaattta    300

gggcgcaagt ttgtaggctg cggtacgata ggcaccaccg gccaagcat acaaagtttg     360

gcggcttggt gcatttggat tacacactgt acctgacagg tgccctgcag gagcggcaga    420

acaaccgatt tggtgcgctg gtaagctgga ggcaggaggg taggcgaagg ttgggattag    480

gcaggtgaac ggggctgggg acgagacaag cagctaaggg ccggcgggta ggattagcgg    540

ctgcttgagg aggaaggtgg atttgcaggg acagctaagt gccaagagcc cacagctaga    600

agccgaccaa cagccgtatt aggaccagga aagatgtgat gggtgggaca gttgggggtt    660

tgacagtg                                                             668


     <210>     7079
     <211>     534
     <212>     DNA
     <213>     Glycine max
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<223>   Clone ID: jC-gmf102220083b12d1

<400>   7079

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tcaatgccta acttctttct tagatccata atgaactcat aaaccttttg ctgatcagga   180

agagacttgg caacgctttc tttctgaagg cacctcttgg cccaagcaat aaacttgggg   240

cactcactct ctatgttgag ggtgccaaaa gtctcatagg ctttgaacca agtgtagaat   300

ggaacaagcg ctatatccac aaaacctaga ttgtctcctc caaaataagt cttgtctccc   360

agctgttcct ccaacaattt aagggcttct atgaactcct tcttggcagc ttcttttttct   420

tctccttttg atgtccaaat cttccttcca agatcatata tctattcgac attgagaatt   480

aacatgcaaa tagatcataa agtgtaagac tgagatcagg gaggattaag agat          534
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<210>   7080
<211>   278
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220083c01a1

<400>   7080

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caataccgat tgtttcttct gtgcttatgt atggttatta catttgtaat actacagtta   120

tttagccgtt gcatgcatga atggtgtgtc ttctattaat acctttgtgc acagcttggg   180

aggtatctat caacttagct gtgtaatttt gccccaagtg ttaaaaagct aataacacaa   240

aacaaaaaga gaaatacaga accacagata agaggcac                           278
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<210>   7081
<211>   494
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220083c01d1

<400>   7081

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ggcttgccgg gcaaaggagg tttccccacg tgtagcagta gcaccttctt gggggggggg    60
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3147

ggggggggggg ggggggggggg ggggggggggg ggggggggggg ggggggggggg ggggccatat   120

ggcccctaaa agggtttact ggacggcaga caggttgttt aactgccctt taaaccgggg   180

aagacaatat attttgggga gctagctaat cccgaaagaa tgctgcgagg ataaagccgg   240

gaattggttg ggactgtaaa ccaaataagt ccgaggccaa aattccgggg atagatggga   300

agttttttgg cgggagtccc caagcggcgt tataaattgg gccttcaagg ttccctggat   360

cgatcccgct ggctaaactg agactttggt gaggcccgca ttgaaaggga aggtatgcct   420

tcgtcgggga taatcgacgg atgcccaaaa tttgccgcgg atttaatgga agtcttggcc   480

acaataggtt ttgg   494

<210>   7082
<211>   485
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083c02a1

<400>   7082

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aagaaagacc aaaactttat ccgcttgctt cacttagctc aagagcgtac aattcaggca   120

aaggccttga agtcggagtg tgggttaagg atctcttagg agctgcttct gtcttgactg   180

aagaaatgga ggtatatggc aaatctatgg ttgcaggtcc tgcaaatgtt atttttctgt   240

caagtatttt gggccaagaa ggtccagttc ccggtcacaa atgcgactgg aaatgtcaaa   300

atgaacatgt ttgtggaaac atgtatcgct gcaagctaac tgggctgact cacatctgtg   360

ataaaaactg taaccagaga attctgtatg acaaccatag ctcccttgt cgagctagtg   420

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ttgat   485

<210>   7083
<211>   417
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083c02d1

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gggggggggg gggggggggg gggggggggg gggggggggg ggggggggggc ccggccctgg   120

gggggggaaaa aaaaatcaat ttcccacagg ggggtttacc ggataaattt ttccccgggg   180

aataaaagga tagtccctgg ccagttaaaa ccaaaaaatc cccaaaaaaa ttggggtaac   240

ccggaccaaa ggggttggga accccaaaat taggggggaaa tttttaagga cacccaaag   300

cgggtttcct cccaagtagg cataagccgc aaaaaccttt ttccccaagg gtttcccaaa   360

ccctatgggg agcgccataa aaggccttag gcgttaaccc tgggaatccc ccaaaaaa   417

<210>   7084
<211>   461
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083c03a1

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ggtgtttctc ttttactccc tcaactcaac tcaaccacct ctcccctttt gcaattccaa   60

ctctttaaca tggcacaaca ccaattacgt tgtgcaatca actatgtttc aagggttttt   120

cttcaattct caaactaaaa agtaaaagta ggtcattttt ctggcagagg tccctctcgc   180

tgcttctttg aactccgaca cagattagtg ggcatatatg atggctgcga gctgggatgg   240

aagtagtgac cctggcagtc agtcagatga tagctttctt gagaggttgc acattgagcc   300

tctttatgat gcctttgcat gtccgctgac gaagcaagtt atgcgtgatc ctgttacttt   360

agaaaatggg cagactttg aacgtgaagc acttgaaaaa tggatcaagg aatgtagaga   420

gagcggtcgg agactgctat gccctttgac tcttcaagaa c   461

<210>   7085
<211>   358
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083c03d1

<400>   7085

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gggggggggg gggaagtggg ggggggtggt gaagtgagaa agaagatcga acaaaccca   120

taacgaaacc agaataaaac aacaggttta atgataaact caacccacaa tacaattaac   180

tactatagta aatcaaattc taaaggctaa atgcggagaa aattagagtt ggtgcacgat   240

agttaagcca acagctttga atccaatatt caaatcaata aagtattctg gacataacta   300

acctaaatta acacgtagca ttccgatgaa tgcaataaat ctccttttag atgagcca   358

<210>   7086
<211>   362
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220083c04a1

<400>   7086

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gctcaagcat cgagcaatgc atgcattact agatagttcg ttagtatctg ctaagttagc   180

gctgatgtat atcctgctag atactcactt aacaacacaa actgtttgtg ccacatatgg   240

gatgcgaatg cttaaaggta atgcagccta gctgagttct aatgctaaaa aggccgtttg   300

gcaatcttgt tgaggctaag cctaaatagc tgtgtgaacc tgcaccaccg cgataaatca   360

ta   362

<210>   7087
<211>   332
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220083c04d1

<400>   7087

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gacgatttgg aaacagccgt taatagatct attctcaaag taaccttttta ttttaatttt   180

ccctaaaatt cctattctgt ttcctccttt aaaaaattat tctccatctt ttaatttgga   240

acctttccta aaatttcagc atttacttaa ttttttgccc ccctcctttt tttttttttt   300

ccccaatatt ccccaaattt tttcctattt tt   332

3150

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<211>      292
<212>      DNA
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<223>      Clone ID: jC-gmf102220083c05a1

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atcccccctacc cagggaaag tattcgtgta tgctaagcgc agcgcagcta cagtcgtcgc     180

gcaacattgc gattgatagg ggtgcgaaag ccaagtttgc acaggcagac tcacgtagca     240

agaggcgttg aacacaggct aacagtaaga ttgcctgatg gcagactcac aa            292


<210>      7089
<211>      589
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220083c05d1

<400>      7089

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gggggggggag aggaaatagg ttaggggact aaaattaggc gaaattagta gtcgggagag     120

gcgggccact aggatgttta aacacccgcg tatgggaaga gttggggtgc tgttgctgat     180

taccatgact gataggttga cacttcacgc aggtaccgca cgtagctaac gggtgtacat     240

taccacacca attgttgtca gcgataccac agctaatgtc atcgccacgg ttgatatggc     300

tggtatgttt gtgagagctt gtactggtta catggggcct ggtggtttgt acaatgctga     360

attcaagggt aggtgtgtgt acgtcagtgg caacgctagg gagactacca tggaaataag     420

aggtaagtaa tggctataac caacttgcag aacggcaacg cgccgcgagc aaacgtacgc     480

cagctatggg tttagtttgt ggaggggcga acaacctggc aggagagcta gggtctgttg     540

tggtaagacg atagcggcta cagtacgcga gcagcagacg cctcaagta              589


<210>      7090
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083c06d1

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gggggggggg gggggggggg ggaaaactag tataagggaa gtatgggata aacaatcgaa   120

gatgataact acgtcaattg taataaaagt gcgtgataac actataatgc tagttagccg   180

cttaagaatc ctaaaaagcc tacgacgcaa agatacttac ccataataaa acgtaagcca   240

gggggggggg ttaaagaaca gagaatatat tgcgttacca gagggagtaa agaggtgaat   300

aaaaataaga gagaaataaa aatgaaaaca aaaaataaaa gggaaaatat aggaatttag   360

cacaacacgt gtaagcctgg tcaacaaaac gctacatagg gtaccctggc cacgtggcag   420

gctatagggc atcttacccg ggttacgtaa tcgccgaacg gtaaggaaca agccgagttt   480

gtgacccacg ggactgcaca acgaaaatat cgttgccggg ctaggtggct ctgggctaag   540

aaacaatagc gg   552

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<223>   Clone ID: jC-gmfl02220083c07d1

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agtaaaatta aagacagacc tagacgcgct tgcctgtgga gccctagtgt agtcaggaag   180

tttagatagc tagcaaaagc aatcagcttg taacaatgag atatggatgc ttgtctccga   240

taaggaaggg tgcgggacgc aagagtatgg gactgggccg ataccaacct ggagaacgag   300

aggttgaatt taaatgtggg gccaggtcgg gtaattagtt agccgcattg cggtaggaga   360

aacgcaaacc ggtttgcctg actatcaggc acaacaagcg tgtggctggt aaggccaagg   420

ttggcacgtg caaacgacaa ggtcagcaaa ggaggagagg ctaacaacta aaagggcggg   480

ctttaaagcc gcaagagcat ttgggcaaag ctagaataaa gaagaagcac aagtcaagat   540

                                    3152

ctggagagac gcacgtgtgg ttatagtcga cctgggtttg   580

<210>   7092
<211>   593
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083c08d1

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ggggggggg aagttattga gttaataacc aggatggagg gagaacggcc acgaaatttt   120
catgaccgaa aacccacaaa cgaaattcga gcgagagtat gccggagaga aatatcagaa   180
tatgaatata cagctaaatt atgacatatg gcgatggaac tagctggtat aaacgtagga   240
gtagagttta ggagttaatg agacatcact ctggtagatt gattaagtgg tttaatgacg   300
tgcaactggg caccgacgaa aaaaacccct gactagtagc gagtattact actgacaaca   360
tccgaataaa ggtggatacc tctagcctct agcctctatt aggagcatag ggttatgaca   420
caacgcaata aattagacgg agattattaa ggttacaaca gatagataac tgttaacagc   480
atgccagggg agggagtatt tgtgcgttat tagaaacagc tggcgggagt ggtaagtaat   540
tacatggcac actgtactaa aggtgggcga cgactaattg gtagtaagag gtg   593

<210>   7093
<211>   470
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083c09a1

<400>   7093

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ctgtacacac agcaagggca agtgcacgag cgccaggccg caaaagcaca cgtaaggtaa   120
ctagcgccca caccagcggc aagtgcaata gctggtatgt acggtgaggc ggcataagca   180
gcagcgaaag ctgcaacata gtaggattcc acgggtgccc taataccaaa agcatgtagc   240
gatagtgggg caactagtag ggagccagct gcagacagtg ggctagcgta tgattgtaat   300
gcaggtgatg aggccgtaac agcaacaaag cagcaagaat aggaacctgc aaaagcgcca   360

cggaaagctg cagaggctag cgagcacgaa gcctggcttt gtaactatga tgcccgccag   420

cttggggtac cagacgtaaa ggagcggact gcagaagccg gagttagtag   470

<210>   7094
<211>   483
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083c09d1

<400>   7094

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aatgggagat acaactcatt aaggattaaa aaaaaaaaaa aaaaacaaaa aaaacaaaaa   180

acaaaaaaaa aaaatgaaa aaaaaccgcc tcacttcaag tcaacaagtg gaaacatctg   240

aaactatcga agaattcgac tgagatgcga tcatcgacta gcataaacga taagactatg   300

tcgagaccca aattgaaagg caagttaggc catcaaggga ataatcgcc gaaagcccaa   360

aatttgcccc ggattaaatg gaagccttgg ccactaaagt ttttgggacc tacagcctcc   420

aagactcaaa acctttcaat ccagactttg gataaaaacg gcaatacttg caagcctcaa   480

gcc   483

<210>   7095
<211>   547
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220083c10a1

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cgggcggggt gggcggctgc tacgacgggg ccgactagcc ttagcttagc ctctacctga   180

ttaaaccggt ttgtgttcaa gcaaaatgcc tgagccgcac tcggtggtcc accgaaaagc   240

tctaacgggg acctggctgc gccaactata taatagttca cttgggaaaa ttaggttgca   300

acacgctcgg caattaataa accatgatag gaagcctcaa taagggacag tacatgtgaa   360

aatacggaat taataactgg gtggggagct gacgcaatct caacgttagt ataatcatag   420

agggagaggt cctagacaga atattcgatg tgtgaagagt ttagatgagc aaaaatagcc   480

agagccccgc caccaaggga agcaaattgg agagcagcaa gcccggaata accctcatct   540

attccta   547

<210>   7096
<211>   453
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083c10d1

<400>   7096

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gtgtcttagg tgacttaccc acataacata aagtgacatt aacaaacata gctaatgctc   120

ctatttgaat agtgcatatc agcatacctt attacatata gataggagca aactctagct   180

agattgttga gagaggtgaa ggtactactc aatgtagtac atgggattag gaagcttaaa   240

ggtcctgctt tcgcctctgt ggtctccaag caaatcgctc cattggtctc caatgattcc   300

aacaattctg tatccctgcc ttaacagatt ctctctcatt gctgatttgt atgaaagtgc   360

atttggagtg atacgatgtg gatccttgag aattaactgg taccatgtgt ggaagccaac   420

cttctttagg cttgcttctg atacgggcat ttt   453

<210>   7097
<211>   598
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220083c11a1

<400>   7097

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cgtgtacggg tccactaacg ccttgcaata gcaaggatga tggcggcacg gcgttggggc   180

ggcaattgcg gcggaacaat atgcgtaata cactgtgcta ccagcagttt atttgactgc   240

taccgtggcg gacaagctat ggttagcatg cgggtagaca cccagcgcag ccggtacggt   300

gcaggcatgt tatgaaccat aatatactac aaaaccaggt attactaaag ggcactggca   360

cacctgagca acgtagtcag catagtaacc aacactggca aaagtaagct ttcccacgcc   420

gggtagctct gcagaggcgg cttagccttc tgacacagct acggggtggg ctacccccgt   480

tgcgagagca tagattaaaa ccgaccaacc agccaataac cgttaaaagg caacagatga   540

gtaagtgctt gctttttggg ngtaagctgg tgcactgtag gtacagcggt ccctaatc   598

<210>   7098
<211>   507
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083c11d1

<400>   7098

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acttttaaga gtttcctccc ccactccata caatcacaaa cccacaatag ttcaatttat   180

tttatggcaa tttttccgta cttccccctt gaacccttct ttgacgtcga gcatgctcat   240

cttcaccatt gcttgttgga aatccaagaa aaacaaggct tggttcattg cataagcatt   300

cacaatgttc ctcgtttgtg ggctgttgta caacgtttgg tccgatgtaa gaaccccgtt   360

gtttgagacc aaatcgttga agtattcgct gtcaaaatcg ttcctcgtgg agtcaaaggg   420

ttgctcagca gtgtcacccg cactgcatgt cttggagagt gtctttgcaa attctgagtc   480

caaaagtggg tccacttggg tcagtct   507

<210>   7099
<211>   572
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083c12a1

<400>   7099

agagtcaact gtgactagct gtcgatctgt ggctagcaat gtaccaggta cctgtcacga   60

ctaagtatta gtgggccagt aatttgttaa gggcgggata agagccaata catttgtgtt   120

3156

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gggcaagggc actagcaagg gcggtaaaat atcctaacac gcaaagtgcg gcagagctag    180

ttaatgcact tagccaggtg atgcccgggc gaggtaccaa tgagggtgag ggccaatgag    240

tacataaaca tgcaacacaa cgtgggaaaa agtactcaag tgttacgcac agtactaaac    300

ggtaggctgt cccaaaatgc caggcggcta ctgatccagc ataaaaatag gtatcgtgat    360

aaggagcata aaagccaaaa cagacgacaa gggctccaat agaaacagga gagtaccacg    420

ggactgcggt agttgcgttg cttagagcga agagtactgg tacagcagta ccggtgaaaa    480

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cgcagctaac gcctaggtaa tttgaacagt ta                                  572
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<210>   7100
<211>   526
<212>   DNA
<213>   Glycine max

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atacaccaat atattacata aggtaatatg tagattctaa attaatttat tctagtaact    120

agtaacaact cagaaataaa caaccaacgg cagaatatga tgttctctgg gcagttaagc    180

tcatcataac tagtcatctg gctaccagat gttggcttat tggggtcttc cttctgaaat    240

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tccaatactc catactctct tgagaccaaa gttcaacgtg gtttgaagcc tgtaagtgac    360

agcatcccat attttaacag tagaatcctc tgaagctgtt attattatag gaagctcagg    420

atgagcacat attgctgtaa cattgttttc atgtccttca agcgtctgta cacagtttct    480

agaatgataa tcccatacct tggcagtgta tcatcagaac cactta                   526
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<210>   7101
<211>   391
<212>   DNA
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<223>   Clone ID: jC-gmfl02220083d01a1

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3157

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tcccatttct gcatttttgg tttgggagag gagaaaccaa gaattaagaa atgggttgct   180

ccgtaagagt ttgttgtgtc ttattttgg tgttgttggt ggcatgtgtt agaggggagg   240

acccttatag atcctacact tggaatgtca catatggaga catttatcca cttggtgtta   300

aacaacaggg tattttaata aactgggcat tttcagggcc acaaattgag gctgtgacca   360

atgacaactt gattatcaat gtatacaaca g                                  391
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<210>      7102
<211>      566
<212>      DNA
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<223>      Clone ID: jC-gmfl02220083d01d1

<400>      7102
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gatggatatt cataataaat aataagaaga agaataagtg taggagggtt agcctatagg   120

aatagtaccg tttggcaatt gagggaaaga aagaaagacg ggaaagaaca acaagagtag   180

aagttaaata tacagcagtg gagagagact gcaagggcca tagaatatca acagcacacc   240

accaacacca taccacaaag taagaatgtg agaagaagtg agcctagtag aatagcaaga   300

agccgataac acaataacac aacacctggc acggaactta gcaagccaaa gcaagcatat   360

gcggtaaaga aaaagtttaa gcggccgggc cgccacctag gacgacgcgt ttatacttgg   420

cttatattca agactaggct ggccaaggcc cgatgtagtg tgttagcaag ggctaccccca  480

agatatgtga acagaaaagg ctgcctttaa agatgcagca atttaaggtg tacattgcat   540

aggttatagg tttataggag ttaaac                                        566
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<211>      540
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220083d02a1
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cttttcagac tggttttta ccaaaggtgg cacacgcatg agtattacaa aaatgtggga   180

tccagttgcc tatgcccttg ggtttattga ctgtgataat atcagtgccc gctgcatgct   240

caccatattt gcattgtttg ccacaaagac cgaggcttcc cttttgcgaa tgctgaaggg   300

ttcaccagat gtttatctga gtggccccat ccgaaagtac atcacagaca gagggggcag   360

gttccatctt aggtggggat gtagagaagt acttcatgac aaatctgctg atgggagtat   420

ttatgttaca ggactttcca tgtcaaaggc tactgccaag acaattgtga aagctgatgc   480

ttatgtagct gcttgtgatg tcccttgaat taagagtata cttncatcaa agtgagggaa   540

<210>   7104
<211>   460
<212>   DNA
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<223>   Clone ID: jC-gmf102220083d02d1

<400>   7104

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ggggggggg gggtgagggg taggtcaagg taggataggg agaagtaaga ggagggctgg   120

agcaatagag taccagggga agacaggtgc cggggaacaa gttcacacgc aacggagaac   180

ccgaggaaat cagcaagtaa gggggggtga ttgctgttgc gccgaaaaac acggttagtg   240

ctgtggcaag actggatggt aaaaccatgg tgctggtttt acgcaagcgt ggccgacaac   300

agagcagggt ggtcaaggca ccggtaggtc acggtaacga gctgtcgaat gtactagcaa   360

aggtttggat tgctttaata gctaagcaag caacagtatt aggtccgtta agttaaagac   420

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<210>   7105
<211>   510
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220083d03a1

<400>   7105

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tacatcatat cggtgaaagg gatcaaaggg cgtttgaacc gtctcccctc ggcttgcgtt   180

ggcgacatgg tgatggccac cgtgaagaag gggaaacccg atctgaggaa gaaggttttg   240

ccagctgtca ttgttcgcca gcgcaagcca tggcgccgaa aggacggcgt ctacatgtat   300

ttcgaagata atgctggtgt tattgtcaat cccaaaggag aaatgaaagg ttctgctatc   360

actggtccca ttggaaaaga gtgtgctgat ctgtggccaa ggattgcang tgcagccaat   420

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aatttgtctc aggttttttt caagcttgaa   510

<210>   7106
<211>   559
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083d03d1

<400>   7106

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gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg   120

gggggggggg gggggggggg gggtggggggg ggtaatttta aagccccaac ggggggggccc   180

tttaaaaggg tttcccccaa attttttccc ccctttttaa gggcccccaa attttttttat   240

tttaaaccct ttttttttaaa caaaaaaagt tttttatagc cccccccggt ttattaagggg   300

taaaaaaaat tttttttgaaa acaattttag ttttaaacta gaaaattaaa aaaactttaa   360

cttggggcct tttttaaaat accgtgtttc cccccttttt tttaaacctt taaggggccc   420

ccccatttttt ttaaaagatt tttccaattc caaaaaaagg ccctaaaaaa tttacccccct   480

aaaagggggg tttttttta aaaaccccc cagtattttc cgaaaaaagg tggcccccat   540

ttttttaaaa gatttctcc   559

<210>   7107
<211>   513

<212>   DNA
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<223>   Clone ID: jC-gmfl02220083d04d1

<400>   7107

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ggggggggg gggggggggg gggggggggg gggaaaaatt taaagcccca acgggaaggc   180

cctttaaaag ggtttccccc aaataatttc ccccccttt aatgcccccc aaaattttta   240

aatttaaccc cttttttga aaccaaaaaa attggaaata acccccccg gaaaaaaag   300

ggtaaaaaaa agtttttaaa aaccaattta aatttaaaac gaaaaaatta gaaaaaactt   360

aacctagggc cttttttaaaa aaacccaatt tcccccccctt tttttaacca ttaaaaggcc   420

ccccccattt ttttaaaaaa ttttgccaat tccaaaaaaa ggccctaaaa aattacccccc   480

ctaaaagggg ggtttgtttt taaaaaaccc cca   513

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<223>   Clone ID: jC-gmfl02220083d05a1

<400>   7108

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agtaatagtt tggattcagg ttgagacatg   150

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<212>   DNA
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<223>   Clone ID: jC-gmfl02220083d05d1

<400>   7109

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3161

tatggaggaa atgcatagaa gaggctataa aaItggcaaa ccttgactgt tggacactac   180

taaatgaggt ggggcgagaa ggaggggccg ctatcgtccg ctggaagatg c   231

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083d06d1

<400>   7110

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gggggggggg ggaggggggg gggggggggg gggggggggg gggggggggg ggggggggc   120

tggaatgcaa aaggtaggta gcccggatga gggtgttaag gttaaataaa ccagaaccat   180

ggtaagatga caaagcaatg taggaggccc ccctacgata attctggtta aactaaaacg   240

gggaaatatg cggcccgtaa gaattcacct actatggcgc tagtataaaa tactatccaa   300

agtataagcg ggagccccgg gtaggtatag gggatagagg accgccaca agtatgcaaa   360

ggcctgaggt acgggtgaaa caacggaccc ttggaactgt gtaatgggcg aactactaga   420

taacgttagc cacgaaggca gcctagtaag cctactggta cttccgacaa acgtggtaat   480

agtaatgagg ggccgtgtag gtggtggcca cgttttaaac aagtggtgca gggt   534

<210>   7111
<211>   524
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083d07d1

<400>   7111

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gggggggggg gggggggggg gggggggttt taaaaaaaac ccccgaaggg ccttcccta   180

aaaaaggttt acccttgggg taaccaaaaa cccccccggg ggaattttac cccgaggttt   240

tccctaaaaa ggggggtttaa aaaaaatacc ccattaaaaa ccctaagggt ttaaaaaaca   300

ccgcccccctt ctgaaatttt ggggcctaaa actgggcttt aacccccca accttaattt   360

ccaaacccccc ggtggtaggc caaaacccct cccccctttt tggaaaaacc ccctccaaat   420

tttaaacccc taaaattttt ttaaaaattt tgcccaaaaa aaaccccccc aattaccaag   480

gtttggaaaa aaaatccccct gggagctttt tccccctggg caac   524

<210>   7112
<211>   333
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083d08d1

<400>   7112

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accggaataa acccacaggc gtaacgacca agtagacgca cataggatt taccccccttg   180

gtgtataaaa tagtaaaggg ttaacgctgg gaaagttcga gttgatgccc tctgttatag   240

ctagaggcca tgaatcccat tccagaattt atacaggatt ttgagcataa acaccctaat   300

gggacagcaa gcgttgctag atgtctaata aat   333

<210>   7113
<211>   436
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083d09a1

<400>   7113

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cgcaagtcca aggcccaggg aaagggaagt aggagcgtgc gggtggtaag tccaagtatc   180

aataatagcc aacgcacaag gccctaaacc cgggtgtctc caagctgttt gagttgtctg   240

tgttatattg gtactcacga ggattctgtt cattataaat tgttccgtat tcttcttttgt   300

agtcttccta atatttgtag tgatggtcct tttgttggtt gtcattttttg taggtttttt   360

agtcaataac gtgccggtaa tttgtattgt agttgtaaca ataaccatgg caaatctggt   420

ggctgcgtat tcggggg   436

<210>   7114
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<212>.   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083d09d1

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gggggaagg aaaagtgggg ggatgaggga atgacacccg gaaaaaaaga agatgcaaac   120

acaaaataaa tgttaatgta aaacaggtta gttgctaatc aggcagatgt agctgaatgg   180

caagatgatg ctggtaattg tagtcgtttg ggccaggtgg acgtgtacac aaaatagtag   240

ttccgagtaa tataaaacag gttagttgct tagactgatt agtgttagta tggcgtcgct   300

gtaagttacg cggtgtatga taagtgcacc catccgatat tcactggatg gatctggcta   360

gctgatcgta gactgtggtg agactcgtat tgaaaggtaa ggtatgcctt cgccagggat   420

aatcgtcgca tgcccaaaat ttgcctcgga tttaatggaa gtcttggcta ctatagattt   480

tgggtcttac tgcctcgaag actcaacagc tttcaattca gtcattgg   528

<210>   7115
<211>   552
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083d10a1

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gggcgtgggt agaaaaaaaa gcggaaagga ggaggggtga gcagaccagg ccgggtggcg   180

tggggggtgt ggcgggaaca agggtccgcg aggggaatac ggcgaaacta tgtgctctgt   240

gtgtgctagc agtagcgata atgataacta gctgtgtgcg acggggtaat tgctgctctg   300

gctaccccgg cgaaaatgaa gtaagagaag gaaagaaagg ataggtgcgt gtgtgtaaaa   360

aaaaagaaa aaaaaataat aaaaaaaaaa aaaaagaaa aaaaaaacc ctccttcttc   420

atgacgcact gtcgtcattt cccaggaaag gttcctttcg attggctacc tcgtttactg   480

3164

ggtttgagac ccacgtcagg gaaattggcc tcgaagtagc cttagactgc gggttgcgcg   540

caaaggcgga gt   552

<210>   7116
<211>   304
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083d10d1

<400>   7116

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catatgggtg aaaactacag agagcttgct tggagttgta catgatcctg cccagagagc   120

ccagagggct taacaactga gaaaaaactc cgaattgctt aaacatgaga aaaaagacga   180

gaaaccgagc ctatgattga aaataagagt ttagcattct gtttatgaaa gagctaacgc   240

ggaaacttgg ctaccatgtc ttccttttcg tgcaactgga aacggtttac atcgatttgt   300

ttga   304

<210>   7117
<211>   551
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220083d11a1

<400>   7117

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gtaaaaaatg atacatgcag tctaggggtg ggcttaataa gatagagtgg ttaactcaca   120

tattactgtt atggggcaac gatacacaac aacaaggcaa caagcgaaca ccccagccaa   180

tgccacactc taaccaagcc cagaccagtg agcaggagca gcgtgataag catggcccta   240

atttccagac tccgcagaaa gagctatctt ttcggtggcc gccggtactt ggattggatt   300

tgtctacacc aacaattcca acaccaaaaa tgacaaaaca gtttaatacg cacaacttca   360

ctcaggggcg ggattggtta acacagcaac tagggccgta tggcaacgta gtacaggggt   420

gtctggggcc aagtaaagtg cgagtttaac agcgtggctt gcgtggcatg cagctaggtc   480

agccaaagag gggcacttgg cacgggcaga aggngctgca acgctctaaa tgtgagcaaa 540

cccacggata t 551

<210>   7118
<211>   490
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083d11d1

<400>   7118

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atgaaggaat catattcctc ctatttcaca ttattgaaaa acaggcagag tagtacagca 180

acctcaatga gagagccctt agatagagat actgttggga attcctctga aagtcaatcc 240

ctcctcacta gaaggataga gcagagtgta aggcatttta gctggcccag tgcggtttct 300

caacgtctca tccttgttct tctgtataag cttatgttca atctcttgaa gcttctttcc 360

aaacctcttg aaggcctcta gtggaccagc atcagaagtc cagaagtcac caccatctct 420

ctccccaagg tagaactcat cagatgcgtg ccttgcagga tttctataat tgaaggtcaa 480

tgagggtctc 490

<210>   7119
<211>   605
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220083d12a1

<400>   7119

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tgacagggtg ccttaacgtt agggcccagc acccgtacca ggctatggct gcaaaacccg 180

agtaaagagc acgataaaca acaccatggc accaataaca cgttgtggtg ttgttaaagc 240

aatttccggt ataacaacag gttccggtgt agttataagc ctaaatttag ggcgcaagtt 300

tgtaggctgc ggtacgatag gcaccaccgg gccaagcata caaagtttgg cggcttggtg 360

catttggatt acacactgta cctgacaggt gccctgcagg agcggcagaa caaccgattt 420

ggtgcgctgg taagctggag gcaggagggt aggcgaaggt tgggattagg caggggaacg 480

gggctgggga cgagacaagc agctaagggc cggcaggtag gattagcggc tgcttgagga 540

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agccg   605

<210>   7120
<211>   584
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220083d12d1

<400>   7120

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tcaatgccta acttctttct tagatccata atgaactcat aaaccttttg ctgatcagga 180

agagacttgg caacgctttc tttctgaagg cacctcttgg cccaagcaat aaacttgggg 240

cactcactct ctatgttgag ggtgccaaaa gtctcatagg ctttgaacca agtgtagaat 300

ggaacaagcg ctatatccac aaaacctaga ttgtctcctc caaaataagt cttgtctccc 360

agctgttcct ccaacaattt aagggcttct atgaactcct tcttggcagc ttcttttct 420

tctccttttg atgtccaaat cttccttcca agatcatata tctattcgac attgagaatt 480

aacatgcana tagatcataa agtgtaagaa tgagaaaagg gaggattaag agataacata 540

tacattttgt taacatagat ccactataag atatctatac tcat   584

<210>   7121
<211>   559
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<223>   Clone ID: jC-gmfl02220083e01d1

<400>   7121

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taacgggata ggggggggggt tattggatag agcgataagg ctaactaagt ctatcctggc   180

acacgtagag aggtattttg ttaggtggtg gtagctgata aaggagagga gagggaaggt   240

ttataggggg cggggttggg ggggtgagg cttatgcgga tcgatatggg ctaagaaaac   300

caataataag aaggagcaaa cttgacactt aaggaacagg caggggtgt gaatgacttt   360

aaactagagc gggaagtgga agtatggcta cttattacta ttaaatttaa ggtggttatt   420

attaatagta gatataattg tgaggcgggg tgctgctatc ggtttagaga gacgaatagt   480

atgagtcgta ttagggctac taaaacttaa ctaaatggct ggcctatgcc ttatcgacac   540

gagtttggct cctccaact   559

<210>   7122
<211>   511
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220083e02a1

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ccattgagtt caacaaggaa atcacggact tgaaccaaat gggacacgca ttatgggcaa   180

ttaaatgggg aactgactac tttatcaaag cacacactca gcctaatgtt ctttggggac   240

aggtgggaga tggagtttct gatcattact gctgggagcg tgctgaagac atgacaactt   300

caagaggtgc ctacaaaatt gatgaacaac accctggctc agatctggca ggtgaaactg   360

cagctgcatt ggctgctgca gctatagctt tcaggcccta caactcttct tactctaatc   420

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ataactccat atcaagtgct cagcaattct a   511

<210>   7123
<211>   429
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220083e02d1

3168

<400> 7123

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cataaggcgt aaagaacggt tacgtcatag aagaaatggg gtagaaaact cgtaagttac   180

acaagggata aggaactgca tggcggtata ggccgtaagg ggaccaacga tgaggtacag   240

ccggattacg tatccaggag ggtacaatat aactttgaag cgcggtgtgt tatgcgaacg   300

tagcgagaca aagttagtgg tagctggcgg ggttgtagaa aggctacata gcaggcttct   360

acggccgcct aaaagaggcg gaatgcaaag caacagccct ggtgtcccat gtactggcag   420

                                                                    429
gcgtggttc

<210>   7124
<211>   378
<212>   DNA
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<223>   Clone ID: jC-gmfl02220083e03a1

<400>   7124

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tatgcctaaa acatttgatt gcatcaaccc atgcttaaca tgggctggcg ccgactaccg   180

agctcttcca ccccgctatt catttcggac cgaaacctgc acgcgtacct actctcccta   240

ctgcgagact aactacagca tggcgtagac atcgctatca ctactgcctg tgaaagagag   300

gtatacgatc acaatcttcc aaactataca agccgtaagc ataaagagaa agcgcctgca   360

                                                                    378
gagcctacag agtgaggt

<210>   7125
<211>   463
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083e03d1

<400>   7125

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3169

<210>   7126
<211>   199
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083e04a1

<400>   7126

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atcccaaata gttagtagc   199

<210>   7127
<211>   583
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<223>   Clone ID: jC-gmfl02220083e04d1

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gctatttaag ctaactttcc ttagtttta ggagaaaagc ccagccaaca tgatacaaac   180

cttgaaaaga ctatgaatgg aacaggaagg cttcggcacc ttattgtggt acgtgtgaag   240

agcagagtcg ttagcgtctg caaccaggca ctaatgggtt gaaggatgat acgaaagtcg   300

tgatgtgcag ggggctgggc aggggtggct atggcagctg tcacaatggc gatattgttt   360

tataaagggt acaagtgtcg taaggacaag cattccaacg ctaataatta aaattaaaac   420

ttatgtcggc aactgtaccc ctataagatt aaagatggcg ctgaacaagc ctatcgataa   480

cagtaaaaac gctacattaa agcatatgca taggcttaaa acaacttaac ccggcattta   540

acccccctagg cgtaaaacct ggttagttgt acatacccta ggc   583

<210>   7128
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<223>   Clone ID: jC-gmfl02220083e05a1

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ccagtgatcc attggactca gattaatacc caacagacct tgtgcaggaa catgattagc   180

atttggtggt act   193

<210>   7129
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<223>   Clone ID: jC-gmfl02220083e05d1

<400>   7129

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gccgtctgta aggggtccga gtcatggggg gttaagccta aaaactcccc aaaaatttgg   240

ggtaaccggg cccaaacgtg atgggtcacc caaaaattgg ggtaagtatt tgcgggacaa   300

ccaacaactt ttatcgacac agtagccata aggc   334

<210>   7130
<211>   552
<212>   DNA
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3171

<223>   Clone ID: jC-gmfl02220083e06a1

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gtgtgtgaaa atggcagaga ctacgaactg agtaatgtag ggcacctgtg ctcacaaggc   120

acaaagcctg aatcagcggc accggtaaca ctaaccacca cacgatgtgc ttaaacatga   180

ttagcatttg ctggtactat tgggcggtca tttacaccac tgtatataca ccgttggtga   240

gacactttgt agtctgcacg gtagactaat ttggtgtggt tgggagcgta tgcgctgtat   300

taggaggcct gataaaacct acatgcagat aatcccaccg cctattcatg cgcagccccg   360

gcctaggggc cctagtctgg cccttgagcc gcctagcagt ggcagttggc tggatgctat   420

tcttccgagg gtagcatcat atagaagttt cctacgcata ggtcccggca gttgaacatc   480

tagccgcgac ggcagaaccc tcggccgcga tagccgccaa taagcgcttc cgctgagtgc   540

gccgatgcca gg   552

<210>   7131
<211>   297
<212>   DNA
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<223>   Clone ID: jC-gmfl02220083e06d1

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ggaatgtggt attaagttat aggaagatgt gcaaagtagg gtagggcatt gatggtccac   180

atagggcccc aggctttact cggcgcgcca taccgtataa ccgcagtcct caacagtgct   240

aagccatttg ggaatcgcat aagccttgca atggccaact ttgatagaca caatagc   297

<210>   7132
<211>   392
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083e07a1

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aggtcctcgt acaactgcga ctggtacaac agcgccgcag tgcgaaccta accgctgttg   120

cgcaagagag cgactgcgcc agccagagaa agctgtcgga gttgggaggc atccaatagg   180

atgctgtcaa taatagtccc tgcaggtata ggggtaggcg agctgctaca ggtagcagtg   240

gagctgcaaa tgggatggat ggtatagaac tggaggtaca tcccacgtag tttaagttga   300

tgtgtggatg tggcctagta cctaactagc aagtaggcaa tatcgcatat gtatgtgtca   360

gatgaatgat ggatgacaat tagggatgca ag   392

<210>   7133
<211>   471
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220083e07d1

<400>   7133

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gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg ggggcgcgga   120

ataaaaagtt ttaaccccccc cccccaaaac ctagagaccc aataagaatt agcagaatgg   180

taagttaaaa tccagcccct taacagaaag ggatttataa aggggcccca gtagtaaagc   240

catacccaac taggcctaat aaaaaatgaa aaacggaagg ggagtttagc cacccaaaaa   300

ggttacacaa cgtcccaagt ggagtaataa ctggcccct atttgaaccg cgagctttac   360

ggtcagactt attagctccc aaactggtta taaccctccc atgaaaaggg gccttttcc   420

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<210>   7134
<211>   514
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220083e08a1

<400>   7134

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3173

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ggacgtgcac cgaatgcacg gcgcgccaac ccgctgttaa taatgttggg cagaatgagg    180

ctgctcataa actgacgact gcaacggtgg cacaccaata aaggattgcc gctaagaggt    240

attgtgcgtg cgccaccgct gcataggccg tacctaagac tgaaacatat ttctaggttt    300

tgccagctag ggatgccaac ggtaaaccgg cctgacagcc gttactaaat acggaagcac    360

acagggccta aagctggctg gcacggaacg ccgaataagc taagaagacg tagccagcag    420

ctacagagta gaggcctgcg atcagtgagg cgcaggctac tgcacccgat gctgccgtac    480

tccgcgataa tggcttcgac atgcgggtgc tagc                                514
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<210> 7135
<211> 439
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220083e09a1

<400> 7135

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ctgtacactc ggcagtgagc aagacaccag gcagaaagtc tgcgagctac accataacga    120

tctaacccat caacaacatg acgaagacag ctttgcgtag tgcagcccag ctagtagtat    180

agcgcagcag tgcgtgtgtg agtgacgcgt aagacagctt tgcgtagacc cgctcatgca    240

gaactagctt ttgaaaacca gcaagcatta acagtgcccg atgtcaaact acataagctg    300

caatgccata tgcctcagtt agcatttcgg caacctacga accagccccc gacagttcat    360

gactctgcgg cagcaactga tctgaatgtt gcagctggaa ctacacagca gatgccatca    420

catgcttagc ctcatgagg                                                 439
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<210> 7136
<211> 582
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220083e09d1

<400> 7136

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aactgccggg gatttgcgtg ctacatcgtt gtagtagcac cttcttgggg gggggggggg     60
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gggggggggg gccttacaaa ctgcatataa aggggttaga gacaaatgaa agatatgatg   120

aagttaccaa atcctattga atgacttaat aggttaaaag ggtcaaaagg taaaatagaa   180

atagacgaaa acatgcggtt ttaagtaggc gggtgaaaaa tataaaccta aagtaagaag   240

gaacggacag ggaagtaatg gtggttagtg gctgatttgt actagtccta gtactagtcc   300

tcgttgtcac accacctagc gtactagtgc tggtattact agtggtagta agctgtacgt   360

taactggtac tagttgcgca agttgcggat tcaaacgcgg cccagtagta acctgcaatt   420

tacaacggac aacactacgt gtaaacacga ccacaatcac agttggtata cagggcgtag   480

gtggcgtact agtactgtct ggttgtacgg tgtcacttca aggttcactg gatcgatctc   540

gctagctcat cgtagactgt ggtgagacgc gtattgaaag gt                      582
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<210>      7137
<211>      508
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220083e10a1

<400>      7137
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atacaaaaaa cgcaaaaacc aaccgcaggc caaacccgga agacaagtta gaagaaacac   120

cacaataata acaccctaac cggatcgcat ggccatcaga ctagtgccct gggcttgcag   180

catagtagtc agttggcctc accatttgga taggcatgat atagccaatc gcattgatcc   240

cattagactt ttagaccagc gcttttaata cccgagttgt agtaagccat actggtctcc   300

ttttcaaagt aatggtatta ctgataataa tcgctatagt aagcgcggta ataattgtca   360

gcacttgtgt ggcgcgatat cctagccgcg gtaatactac aacaatgcga cctaacagcc   420

tataggcccg cttatacctt tgagtcgcta agctattaat gatattcatt cagggtaccg   480

gaaacagtaa aggccaatgg atggtgat                                      508
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<210>      7138
<211>      454
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220083e10d1
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<400> 7138

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acatgagaaa tgaactacag cctattgatg aacccctcac atcaatctca tgatggaaca   120

atgctggagc tacaacatgg tggcactgat gatgatcgca gactaaaaat cttttaactg   180

gagtcaggtg gaggcttacg catatccttg acgattcctc ctacaggctg gctctctggg   240

aggatgtgct catccctaat gggacctgtt gggatacaag acactcacgt ccaatagctg   300

acccacgtaa cgaatctctg ccatgttcct cctcgagttc cacattccag cgatgtctgg   360

gctaacatga ttgcagccca agactttggg aacacttgga tggtgtgcct gctgaccgca   420

tcgatacagt tgctgcactt gctcttctct gggc                               454
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<210>   7139
<211>   585
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083e11a1

<400>   7139

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aaatatgatt tgcggctggg ccgcagactg gaaaatgtaa taacgaaagc aggacatgaa   120

agcgtgatgc ggtctgaagg ttaacgctaa cataacttac attgcctact actgagcctg   180

ttggcagtag ttagaagtat aaactggtaa aaggggtgta gtccagggtt agtaacctga   240

accttagaaa acagcacagc catccacaaa taactccagt ggtaccatcg actgcccagt   300

tgcccggcca aaggcaccgt ttggggcact acaccttccg caagcacgat gtagtgtgaa   360

accagccaag tggcgaggtc gccccgcaat gaccgttccc agtcggtggt tggtcttggc   420

caacgtgtgc ctgcctacga gggatacggt ggcccccctt aaggctactg ctaactggga   480

agttggtaaa acgaaccaat aaggggaaaa agcgctagaa ggaggcaaat agtgaagtaa   540

tgaagtaatg agctagatat atcaagatcg cttactgcta tataa                  585
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<210>   7140
<211>   493
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083e11d1

<400>   7140

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gcaaactgct tttactaaat gaaattgact acatatgctg cctctttttt atcctttatt   120

tgagcagatc ttcccatttg cagtactgcc ctcctgctaa tgctcgataa tacctatccc   180

tacagtagac aggtcttcca tcagcagcct cagcagcagc agctgctaga tcatcatcag   240

ttatcacctc gactggtaat ttaagcagct cctcttttct taagagcttt gtgttaacct   300

tgggagcttg aacagttgat ttaatttctt ctttggtaaa ggtagttcga aaaaaattct   360

ccaatggtgt agcaaagata aatagcataa ctcctgtaac aagcaatgct cctgtcccaa   420

ctagagtttg tttcagcaat ttaacgactg gtttaacctt gtaagagccc aacaatctat   480

cacgagctag gat   493

<210>   7141
<211>   507
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083e12a1

<400>   7141

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ctaaaaaaca aaacagctgt ccacactatt agacactcaa gttaatccgg taccgcttgt   120

tcgccttagt ttatcatgag ttaatccttc acagcggtgt tctcggggga ataaatcatc   180

gtaagctgcc gcacgatgtg atcgatgagt ggtaagaact atagaatcct agtgcgtact   240

caggaggtgc attcggtgaa gtcagaatcc gatcgtgcag tgtagcatat cgcaccatgt   300

aagtttcatc gtcctccgcg catctccgat gtcgcgtcat gtagggagtc tagctgatca   360

caggtaacca gttcctcagc tatatcgccg aacgtatatc atgccatcca cgcgatcgat   420

ctgtagattc gtcacaacct gtcatcttcc catttcacaa acggttatga tgttcctctg   480

ctagcattcc acgggtctaa cccaaat   507

<210>   7142
<211>   481
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmf102220083e12d1

<400>   7142

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aagtggaaat gacagacacg atagagttaa ttaagggaca tagcacatga tggtaataac   180

agctattcgt agtgccagca atagggagct aactgtacaa aaggcttcgg atactttcaa   240

ttgcccaaat cagtagagcg atgttgatga atttccaaga caaactcccc gaaaaagaga   300

tccttcactt cttctgttca gtctttaccc aaataccata ccataacata ccacgagata   360

gaataaaaaa tatttacaca gactcgcatc tcccaaaata aatctgcatt gttagatatt   420

aataataata tcagttaacc aggtacgaga cccaccccac atccggagga ccactttctt   480

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<210>   7143
<211>   477
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220083f01a1

<400>   7143

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ctctctcttc cccatccttg gctggcaagg ccgtgaagct gggcccatca gcccccgaag   120

tcgggagggt cagcatgagg aagaccgtca ccaagcaggc ctcctccgga agcccatggt   180

acggcccaga ccgcgtcaag tacttgggcc cattctctgg cgagcccccg tcctacctca   240

ctggcgagtt cccaggtgac tacggctggg acactgctgg gctttcggcc gacccagaaa   300

ccttcgccag aaaccgtgag ctcgaagtga tccactccag gtgggccatg ctcggggcct   360

tgggctgcgt cttccccgaa ctgttgtccc gcaacggngt caagtttgga gaagctgtgt   420

ggttcaaggc cgggtcccag atcttcagcg agggtgggct tggactactg ggcaacc   477

<210>   7144
<211>   590

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220083f01d1

<400> 7144

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gggggggggg ggcccgctaa aataaaacag acaagggaag aggaaaacaa agcgggcaaa   120

taagcataga cgggtatatc actcaagcgt aagacaatag agaagggaac gaagcatgaa   180

aatctgacgg cgccataaaa aaaggtagta cgttatggat gtaaagggcc ccctaaaagg   240

ggaaggttac agggccaagg gtacagggga acggggccaa ttgtcctacg gaatagcata   300

atgagagagc cagcgagtat aacgttcccc ggttttttaat tccggggggaa caaaggatta   360

gaatgggaga acaaaggatt ataatgagag ggcttggtca aggtagggca ttagttatta   420

ggttagctta tcctgatatg cgggcgggtg ggggtggggg acaccagagt aggggagcta   480

ctagccagag ggtaaaagtg ggggcgcgta atgcgggttg taagcaggta agtattaggg   540

catgggctgg taaggccgca ggcacgctgg caaggtgggg tcagccctag   590

<210> 7145
<211> 513
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220083f02a1

<400> 7145

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ccattgagtt caacaaggaa atcacggact tgaaccaaat gggacacgca ttatgggcaa   180

ttaaatgggg aactgactac tttatcaaag cacacactca gcctaatgtt ctttggggac   240

aggtgggaga tggagtttct gatcattact gctgggagcg tgctgaagac atgacaactt   300

caagaggtgc ctacaaaatt gatgaacaac accctggctc agatctggca ggtgaaactg   360

cagctgcatt ggctgctgca gctatagctt tcaggcccta caactcttct tactctaatc   420

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ataactccat atcaagtgct cagcaattct ata   513

<210> 7146
<211> 375
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220083f02d1

<400> 7146

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ataacgaaaa cggattttag caatctacga accaatgaag taaaattaca agagaattaa   180

acgctatgat ataccaggcc gtaaaggctt attgggtgga tagttggcct tgatgtcggg   240

taatgcaagc caacacttct gatgccgaag gttggattag tacaccagag tggtaaccaa   300

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ctatgggtag taggt   375

<210> 7147
<211> 537
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220083f03a1

<400> 7147

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tttgcctctt ggcattgatt gcatcaaccc atgctcaact tcagcttggt ttttatgcca   180

agagttgccc aaacgctgag cagatcgttt tgaaatttgt ccatgaccat atccacaatg   240

ctccatcact agcagctgca ttgataagaa tgcacttcca tgactgtttt gtaaggggat   300

gtgatgcatc agtccttctg aactcaacaa ccaatcaagc tgaaaagaat gctcctccaa   360

atctcacagt aagaggcttt gacttcattg acagaataaa gagccttgtt gaggcagaat   420

gccctgctgt ggtctcttgt gctgatatcc tcactttgtc tgccagagac actattgtag   480

ccacaggtgg accatcttgg aaagttccaa caggtccaac agatggggtc atctcta   537

<210>   7148
<211>   412
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220083f03d1

<400>   7148

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gggggggggg gggggggggg ggggccaag gccggccaaa aaaaaaagga gtagctgtag   120

gctcctagga attcaccata aatacggtcc tagtatgcga atgtaaagga ggcagcatta   180

acggatacat agcagtacag ctacgcggcc taaagccgcc ttagccacca aacctcgcct   240

caagggggca aaaaagctta ttcaagactc cgcctcgcat cccggctaaa gccacctcgt   300

agcctccgta gccgcctagc ctccaaaaga ctcccggaga cccgattggg ggtctccgta   360

gccacctggc cactatgttg attataagcc ataccataga atctacttta tg   412

<210>   7149
<211>   281
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220083f04a1

<400>   7149

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ctagcgctgg ggtcagaccc agagcgtgaa aagtacactg tggtttcgga ggctaagatc   120

gtagagggaa tccgaggcag atcttcgagt ggggttcgca cgtatggggg cttaaagacg   180

tcagctagcc caaaaagtga gtgctggctg ctctaggcat gaaatcggtc ctgagatgcg   240

cctggcaaat ttggagccca aggcactctg cataaccttg a   281

<210>   7150
<211>   517
<212>   DNA
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<223>   Clone ID: jC-gmf102220083f04d1

<400>   7150

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aggactaagc tgatggacaa tatctgtacg gtgttaaaac aaacaagcaa acagcagaga   180

ataggaccag ctagttcaat gggtatttgt atgttattaa aactgaatgc aaaaatgccg   240

acgtaaacac tctatagacg cttattaggg gcctcccaga gagaataggg tcttggttgt   300

gaaaagatac gtgataaagg ttaacgtggc tattggtcca aatggcgggg tagtgagcgt   360

agtgaaagta attgcctgcc aaggcgccac tagccgatta cacgccccccc aaacggttgt   420

acataaacag caacacgaaa cttgaagcga gggtgggtta ataattgcac tgacgagcgg   480

agcagcgcca gtagccgcga atccgcgtat gcggttg   517

<210>   7151
<211>   468
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083f05d1

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ggggggggg ggggtagggg ggaccacccg gcaggatgac gggagaacaa acccccaagt   120

gggacaaata aatattcaca gattttagag cctatcaaaa gctcccctaa aaacccggga   180

acagaaaaga ttataggaag ccggctaaac ccggaagttt cccccccaatg ctaggcgatg   240

acctgtgggg agttgtatcc caaataagac ccgaccgtag attccgttcg taaaccccag   300

attggttgcg gggagtttcc cctggttttt ttgaaatgcc gtttcaatgt accctggatc   360

cgttttgctg ggttaacgga gagtgttggt aggcccgttt tgaaatgcaa ggaattcctt   420

tggcgggggt aattcatgcc tgcccaaaat ttgccgcggt tttaatgg   468

<210>   7152
<211>   465
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083f06d1

<400>   7152

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gggggggggg gggggggggg gggggggggg gggtggaggg ggggggggag cgagccacaa    120

tagcgccccc aaaatatatc cacagacgtc acgataaatt tttaactccc cattaaaccc    180

gggaatagta aatatattgg taagctctct aagcccggaa aaatccccca ggtgtaaagc    240

tggtaaattt gtttggtttg ttacccaatt aagaccctgg caaaattcc ggggatagat     300

ggccaatttt taggccgaag tctccccaca gctttaataa atgtcccttc aaggttccca    360

tgatcggttc ttggagccta actgaggcct tgggtgctca cgcctttaat aggaccaatt    420

gcccttgccc aggctaatgc tgccaagccc aaaatatgcc ccggt                    465
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<210>      7153
<211>      273
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220083f07d1

<400>      7153

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accggaataa accaacatgc atcccgacaa agtcaaccca caatacgaat taccgacata    180

gtgaaccaaa tgctaacggc tataccctga gaaagttcga ttagctgcac gcagatatag    240

ccaaagcccg ggtataccat gtacaaatca ata                                 273
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<210>      7154
<211>      544
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220083f08a1

<400>      7154

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agctggctag gctgggacgt gcgccgaatg cgcggcgcgc caacccgctg ttaataatgt    180

tgggcagaat gaggctgcgc ataaactgac gactgcaacg gtggcacacc aataaaggat    240
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tgccgctaag aggtattgtg ggtgcgccac cgctgcatag gccgtaccta agactaaaac 300

atatttctag gttttgccgg gtagggatgc caacggtaaa ccggcctggc agccgttact 360

aaatacggaa gcacacaggg cctaaagctg gctggcacgg aacgccgaat aagctaagaa 420

gacgtagcca gcagctacag agtaaaggcc tgcgatcagt gaggggcggg ctactgcgcc 480

cgatgctgcg tatatcgcga taatgcttcg acatgcgggt gctagcaaac gagggatcta 540

cagc   544

<210>   7155
<211>   511
<212>   DNA
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<223>   Clone ID: jC-gmf102220083f08d1

<400>   7155

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ggtttgggac gcacccggaa ggctctctgg cctcgaagta gccgtagact gcgggttgcg 180

cgcaaaggcg gagttctgta taaggttata taatagatca cttccaacta gaaacgcgaa 240

acttgccccg cttgaagcac gcactgaatg tataggaagg ctcggctctg tatgctttct 300

gggttacgtc ccaaattgcg tcgcttactg ctaggaagca agtccttaat ctctccccac 360

acctccgggc tcgaggccct ctgtggttct ggttgtctgt atgcatgtct gctctgtccg 420

tcggtcctgc tcctcactcc gagtactgta tgtaaacctc cgaagatccg gagttataca 480

agtaccccag aatctagcag acaatagcgc a   511

<210>   7156
<211>   564
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220083f09a1

<400>   7156

agacaggacg gtgtgatctt cgtagcaatg tccaggtccg tcactggcag tgccagggag   60

gcccggcagg ggggttgcgg atacgcaaca gcgaaataac cgaccaacaa ggtaacgaag 120

3184

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gctgggttac gtagtgcagc ccaactagaa gtatagcgta acattgcgat tgtgagtgtt    180

gcgaaagaca actttgcgga ggcagaggca ggtagtatta acggttgtac acaagcgagt    240

aataacattg ccggatggta aactacacaa gctgcactac catatgcctc aggtaacaac    300

gcggcggcgt acgaaccagc ccccgcacag tacatggccc caagggtggt ctgaagctgc    360

agcttaatga gtgacccaca cagaaaacgc caccaaatga ttagtttaat aaggtgcata    420

ttaatagacg gcagcggcag cttagccaga gcgtacaaac gagctannca ctgagctagt    480

cggttaaggg ccatagcacg ccgctaaacg gtncgacaaa acaaaggttt tgagagcggg    540

gcttacttgg gcgtggaagt aata                                          564
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<210>   7157
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083f09d1

<400>   7157

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gggggaaacg ggggggcgg taacccccgct gacaatagaa gaagtaatcc gccgatagcc    120

gcaaacgact aggaacgtcc aaatacgcgc agtagcgtag acagtatgga gagcgtagcg    180

cttgattata ctatagtcgt gattaggaat gtgcacatta acgcagagaa gcataagcta    240

tcttgagccg gaagattagc gcgccaatag ctgcattcaa caccacagca attgactcga    300

ttacggctgg ctaggctagt taggccgaca gcgcgatgat acagaaacat aggcaccgga    360

gggatgtcca tttcagcatt aaccggcagg agcttaatct acacaggcta cattgcggca    420

acaaccatat acgtctaggc acagacatcg ctatgaccga cctaccacac ctaaacgatc    480
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<210>   7158
<211>   582
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220083f10a1

<400>   7158

gatcacagga tagttcgatc tatggctagc aatgtaccaa ggtcctgtca ctctccatta   60

acggcgccgc tggttgtgtg tgttcccgac gccaaacgaa atctctagta gcccggcttg   120

gcgccagtct cagtgtatgc taggcttggt gctgatgccg tcggctagca gcccactcta   180

caatgggcga gcgcaagcct agttaccatg gcgtggttat cttctgtagt cacctgaact   240

gcagcatcac ccccggtatt aatttagtct gaatacccaa acttagtcgt atgggcaaaa   300

gcacagatag ccatgcgtgg catctctata cgtgcctccc taagattaca tagggcctgc   360

ttaccgcaag ctgccccgag agagaactag tagatcctag cgctatgtac ttgcgtctgt   420

caggagactg tagagagcct gcccgtgacg ctagtgctgc cgcacatatg ctgcgcagat   480

gtaggctagt cgcatagggc ttataggaaa ctagtcattg atgctgccaa gattggctag   540

tagcggtgnt agcctgcata ctaggactct tttagccagc ct   582

<210>   7159
<211>   426
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220083f10d1

<400>   7159

catccttaat caatctgttt ctagagatca ctttgaacac aatggttaat agtcactctt   60

tggcaccaca tgattgacta atggggggcac cctcacaccc gaaagagcat cagggatcgg   120

ctaggatgaa tgagactgat atctacactc atgaattcct gaactagcta ttattttaac   180

caacgagcat atgctaccct tgacagcaat ttacatactc aatggcatcc attctaggag   240

gatgtgcccc aatatcttca tcccatagcg atgaactgat cccatagtct tgatcctgga   300

tccgactgtg atgtattagg tgctactgct tgagacttta gcgctatttg gacctggtct   360

gaccatgagc cgagggataa aggctgcaat ggtacattac ataaccggtt ctaccacctg   420

atccaa   426

<210>   7160
<211>   369
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220083f11a1

3186

<400>   7160

atacaggacg cttgatctac gctcaacgtc caggtccgtc accgtagggg gaaggggcga   60

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gatgctgtct gaaggttaac gctgacataa cttgcattgc ctgctactga gcctgttggc   180

agtagttaga agtatagact ggtccaaggg gtgtagtcca gggttagtca cctgaatctt   240

agaaagcatc acagccatcc tcaaataact ccagtggtaa catctactgc ccagttgccc   300

agccaaaggc tccgtctggg gcactacagc ctccacaaac acgatgtagt gcgaagccag   360

ccaagtggc   369

<210>   7161
<211>   305
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083f11d1

<400>   7161

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gcacgttctc ttagtcgcac tgcctgctag gtcacgcttc tggatgccgg actcaaccgt   180

atcctaggac gatacgacac tggtccgatg cagcttggga attcacatga ttagacatta   240

cttgaactgg cagtcacagc ggctgctctt ttctatacca gctgtgggtt aacctggcga   300

gcttg   305

<210>   7162
<211>   568
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220083f12a1

<400>   7162

attcaacagc gancgagtgt cgatgtagta ggtagcaatg tacccaggta cctgtacacc   60

cactagactg tagtggcact acggctgaaa gggatgccag cggagtaggc agacgctgcc   120

aactaacgtg acggtagcgt agaaagtgta cagagtgatg cacctacgac gcccgttata   180

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aagggtgcta agccaccgac agcgcaagag gcaggtacgg atagtggtgc tgtggcatct    240

agtgttgtag cgttagcaag ttgttaaatt tatattgttt acgaagaacc aagctttcct    300

gtactaacga ggcgcgcagt gcttctacct gcaatggtac tgttgtgctg tatgctggct    360

gtaacaaccg ggcgttcaga agctagagcc gtggcggctc caccgaagca aaaaatgccg    420

ccgtaggctg ttaaggtatg cgtactgggg gcgtatgtag tgcctacaac tacggtcaaa    480

tggcatggta gtgctaagcc agcacggatc tatgcggacg caactaagca aactgtggag    540

tacgataata gtggtgcagc ctctgcta                                       568
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<210>   7163
<211>   463
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083f12d1

<400>   7163

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actgaaaaac cgccgaaggc atttcccatt gaaaatatat ctgtacaaca tattaacatg     60

atatactgtt aaatcttgtc aaccccagta aaagctttca aatagcttct aacctaaaaa    120

tgtaatacag tttgtttcct ccccaacccc cccaaaaaaa aaagaaaaaa aaacttgtca    180

accaaatccg aatccttcat ttgcttcatg aatggcaagc agtaaccttt tttccaaatg    240

ttgcttagat ggatactctg gcaaatctaa ttgattgaaa caggtatgag cagaaggcaa    300

gtgatcagaa ctcccatatg ccttatgtat ctgaaacctc tgggcacctg aaattccttg    360

aagagcacta aaaccctcca aaggaacctt ggatgtgcca gtcacaaact gcagcagtct    420

agctttgtct tctttgctga aaccttgaac aaccttccaa aac                      463
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<210>   7164
<211>   454
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083g01a1

<400>   7164

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gctctttgtg cttataacta ttaaatagtg gtcgaaatgc aaatgctcct cagagagttg     60

ctcttccaac accatcatat ggttcagcat ctatgggcat ttcaaaacct tatggctcat    120
```

3188
```

```
catcttttgg cgcttcataa accctatggt tcagcatcct ttgatgcccc aaaaccttat    180

ggttcagcat cttttatcaa gttcaaaacc ttctcatgct gctagctttg agcacagtgc    240

cccttcttat tatgacaaca cggaccctgt tggcacagct cctcctgccc caagttcctc    300

atatgacaat caggtacaac cccacaaagt ccaaagtact tctgatagaa atctgagtca    360

tgtttttttta tttttaatc ggtaaattgt tagtggtaca acgttctagt tttttgttag    420

ctacaggaat cgaacccctg accttatcta ccct                                454
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<210>     7165
<211>     341
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220083g01d1

<400>     7165
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tgctagactt gcgacaattt gcgtgactac atgtgagcac gtcctccttc ttggggggggg    60

ggggggggg gggggggggg ggggggggaga gagaaaggga ggtcggagaa agataatgtc    120

aaaaccggaa taaacccaca ggcataccga ccaactcgac ccataatacg atttactccc    180

ttagtgaacc aaacggtaac ggcttagcgc tgggaaagtt cgacttgatg cccgcaaata    240

aagccatcac ctgtgaatcc cattcataaa tcaataaagg atccgtgagc aataacccccc    300

aaattggaca gcatagcgtt cctagatctg caataaatcg t                         341
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```
<210>     7166
<211>     603
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220083g02a1

<400>     7166
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gaccgcgtcg gtgacgcaat accgcgtcac ccacaataac ggtgacgtac aattgcgtaa    60

ctggcgttga cgttacagtc cccactcttc cccccttattt atattttcac ctctatcctc    120

cactaatcct ctcctccccc acacacgtct ttctctctcc accatgcacc aagccattcc    180

ctaccgaacc tccatcctga ccggaacatg tgacatggca cacgccggag gaatcaaaga    240

attcaacctc gccaatccat ccaacgttgc cgcaatggtt tcggagagcg cagtggtaat    300
```

```
cattgggaaa cggggggtgct gcatgtgcca cgtggtcaaa aggttgttgc aaggtctggg   360

agtgaaccct cccgtgtacg aggtcgacga ggaccacgaa gccgccgttg ctcgccacct   420

gttcccgcag ggcgccgaaa cggtgcagtt tccggcggtg ttcctcgccg gcaagttgtc   480

tcgagggttg gaaagagtta tggcaactca tatctcacgt gagttgattc ccatcttgaa   540

ggatgcctgt gctttgtggc tctgactctc actttagcta cctacatctg ctctttcttt   600

ctt                                                                 603
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<210>      7167
<211>      381
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220083g02d1

<400>      7167

cgactcgaca tgccaagcaa gtttgccgtg ctacatgtgt gcacgtccgc cttctttggg    60

ggggggggg ggggggggg ggggggggg ggggggggaa ggggaggggg gagcaagaca   120

atgcgaggta ccgattaaac gaacaggcgt aacgaaaaag tagacgcaca aaacgattta   180

agcccttagt gagtcaagat tgtagcggtt aaacgcagcc atcgttagat gtggtgcccg   240

gtagtgcagc taaaagccat gaaccccagt cgataatcgg tacaggataa tcgcacataa   300

agatcctaaa tgggcacgta gcattcccag atatgtaata aatgtcatta ccgaagtacc   360

atcaaccatc caaggcaatt g                                             381
```

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<210>      7168
<211>      544
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220083g03a1

<400>      7168

tacattgcaa caccgcgata tgaacgatgc aaaatagttt cagatacgtc gcgttgattg    60

attgatatga agtggttgac tttctggaac tgcatatcta tcctcgtgtt gtcttttgct   120

ttcttcttct tctattgtca cacatacaca tctactcctt ccctcatggc tgagcaatct   180
```

```
tccaagtcca tttacgattt cacagtcaag gttcgttttt ttgcttctaa aattgttgcc   240

tgctcatacc caactgttgt ttctctatag ttacgtgaaa agattgtggc ttgctcatgc   300

ccaattgtgt ttacactcga attgtttgat gggtgagtga agattatcta ggaaatatca   360

gggcacacta tgatgacaat tatatttagt aggttctgat tttgtatttt ttgtatttca   420

acttttatgg agatcaatga agctctctga tctagttntc ttttcaattg attgatgatt   480

ctgctgattg cagtatttag atttattttc cctaacactt ttnatgtggt attcatggaa   540

aatg                                                             544
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```
<210>      7169
<211>      244
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220083g03d1

<400>      7169

tgctagactt ggcgacagat ttgcgtgact acatgtgtgc acgtcctcct tcttggggggg   60

gggggggggg gggggggggg gggtggggggg gaagaagaga gatcgaagca agacaataac   120

attaccggaa tataccaaca ggcgtaccca caaactcgac ccaccatacg atttacacca   180

atggtgaaca aaaatgtaac cgcttagcgc tgggaaaatt agagttgatg cccctaatt   240

aagc                                                             244
```

```
<210>      7170
<211>      546
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220083g04a1

<400>      7170

tcacagtgac tagcgtcgat ctatcgctag naatgtacca gagtccgtca actttgccaa   60

cataaacaca atgcccgggg ataggtgtag gtttacgcac ctaaatagtc aggctagtgc   120

ccatgtgaag aaacgccatg aaaccgggta agaggcaaca gctccggccg caacagcgcc   180

gcccacaatg aattaacgtt agccaaaaaa ggccttgcca gagctctcgg ctgctgtgac   240

ggaagcagat taggccaata ggactgccac ctacaggtga taagtaccag cgtaggctgc   300
```

tgcgcaggtg gccgatgccc ataaagctac tagagcgaca atcactatag ctgaggttaa 360

aagcctagcc ctggagatta aaagtaccac agagccggag aaatagccac gccccgaagg 420

gttcagtagc atagtggttg tgaatacaag agcagtgact gtgccagctg tacactggaa 480

atttgccaca atacagggggg cacaaaggca gggtgcctag cgagggcccc cacgggcgac 540

cacact   546

<210>   7171
<211>   496
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220083g04d1

<400>   7171

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gggggggggg aaactataaa aagtaaggta gggcaaagag ggaacagtgc tgctcgtgaa 120

aatgacgggt aagggaacga gcgatagcaa caaaacgcca ttaggacaac aaataagtat 180

acgttaagcg agagaattga tattagggta ctgtgcatta tgagaagggc catacagggt 240

gcaggggagg gaagaggtaa taacctatgg caatattatg cagggtagac gcattaattc 300

gccaaagtca tacaacacaa tggcttaata ggcgttctga tgcattacac ggttttaaga 360

cttcggtaat gctcctagca ataggattgc aacgcctaag aaccctgtga agcggtgtgg 420

cgcaagtaaa caagtttagt gtggccaaca gcgcaaacgg cccaactaga tactgctgat 480

ccgcctgtag ggcagt   496

<210>   7172
<211>   512
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220083g05a1

<400>   7172

acatgacagc tcgactatcg tagcaatgta ccaagtccgt cacagacgta atcttctatg 60

cggtgtttgt taaaacaagg aaccgataac aaataggtta ggggatgttt agtgggtggg 120

```
ttgactagga atgataacaa tagtgatggg cctagtggta cagatagcgc aaagggccta    180

ccgaagccag agcggcggca gaggagcgcg gtgtggccgg ctaggcttaa attgcctgcg    240

acgacacacg tctaccctgt tgcggtgcca tgatgggcac gaggcgctga gcactgctac    300

actggatacg cttgtaggcc aacaagggcc accccggccg cagccaataa tgggcaatat    360

aaaactgggg tacctactta gacagtagtg cacgtacgag ctagtaacgc cgccggtgca    420

atgngagcgg tttttaccaa aagccggaat gcctacgggt aagtgtatta cttagggtat    480

gggaggttga tataaccagc tgcgcaggtg gc                                   512
```

<210> 7173
<211> 532
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220083g05d1

<400> 7173

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cgcttagccg ggcggtttag cgtgagctac atgtgtgtgt tagcacgtcc acctgtgctt     60

gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg ggggggggga    120

acaatttaag gggggaaag ataaggggc aaccaggata ggctgggcca ggcggtttgg    180

aaatgcccct aggttgggga taggtagaaa ggttggtgcg aacgctatcg ggcaattggc    240

agagtggtca gccctaaatg ggtgggccc aaccgatagc ttttaagtgg gggggtgttt    300

gccgtgccta atacattata acccctacca cgtatagtat ggcaaaggtt actaagggta    360

ccctaacgtt agccaatggg tggacttggt gggcttacgg caagcccgat aggccagagc    420

tacaggttac gcaaacccgt attacagggg tttggtaatt ggctgcttag acccataggt    480

gtactaatta gggtttcaga aggaagccgt ccaagtatac caacccttgg ga           532
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<210> 7174
<211> 612
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220083g06a1

<400> 7174

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cactatgata gtatgatcta tcgtagcaat gtccaagtcc gtcacaggga cggatcacca     60
```

```
aagagtagca agttaaggag ggtgctgctg gtgcggaggc tgctgcccgg ccttcgaccc    120

tggctggtga ggccattgcc ccggccgtaa cctatgctgc taccctaact gcgacaaccc    180

aggctatcat aattccacct acacccaaaa agatcaccga tgggaggctg acgggcctg     240

gggagccaac tgggaataag ggagccatgc cggcgactag gactatgggg agggctgaag    300

ttggggcggg aagttgaaaa aaagacaaag atagagttgg ggggttcgcc atggctggga    360

ttccgtggct gggggtcaag gtgagggaga ggaagagggt atgttgagaa ggtgggagtt    420

cggtccataa caatataccc caaccatgaa ggcaaaccgc aacaaggtat agatgcaggt    480

ctttgtgggt ggtgtggggg gacgttaagc atttttttgg ggggggaaca gaaggnggtg    540

tacgcggaaa atggcacaca ggggctaagc cagagaanca tgcccgagtg aaggtcagaa    600

cgagtaggtg gg                                                         612


<210>      7175
<211>      584
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220083g06d1

<400>      7175

agatgacggg cgagaggggt ttgccgtggt acatgtgtgc agtgccaccg tgcttggggg     60

gggggggggg gggggtgagg ggtaggtcaa ggtaggggag ggagagagga agaggagagg    120

taaagcaaag aaaaacagag gaaaacagat gaaggagaac aagggcaaac gcaaaggaga    180

aacggaggaa agcaggaagt aagggggggt gattgcggtt gcgacgaaaa acacggttag    240

tgcggtggca agactggttg gtaaaaccat ggtgctggtt ttacgcaagc gtggccgaca    300

acagagcagt gtgggcaagg caccgggagg tcgcgggaac gaactatcga atgtaatagc    360

aaagggttgg attgcgttaa gggtgaagca agtaccagaa ttaggtcgtt tacgagaaag    420

acgaagaagt gcgttggtta tccgaacacc atggcaagcc caggcgggaa ctaatgtctc    480

taagtcggca ttgtggctga aggcaggggc acgactggga gtcccagtac aactcaaggc    540

cctaaaactg gtgaaggtgc tcaggcgct gaaggttaag ggga                      584


<210>      7176
<211>      614
```

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083g07a1

<400>   7176

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ccccggcgtg ggtgcaataa ttttagtaga gagtaggaac accccgagta acagtaagtt   180

ggcaggacta acagtagaaa ggggtaggta gagatataag ggatagagtc gaataacagt   240

ataggcgggg cgggggcacg gcgagcacgg cggcggcacg gcggcagtgt agaagaataa   300

tagccacccg cacaataaca acgatagtat agtgcaccac tgcaaccact ataagaactt   360

accccagggc gccagggtaa gttaacccaa ccgggataag cgggtacagg ccctaaacca   420

ttatttgcca gcacaccggt ttggcggcaa ttggctacct taccagcgca tgcagctagg   480

tcgactagat tagttacctg tactagccaa cgagtggcag tttggtggta tacccgatta   540

ttgaacacag ggtaaccgtg tacaccgcgt aaaacaggat acaaactggc ccgtgcacgg   600

gcgtaaaagc ccgt   614

<210>   7177
<211>   290
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083g07d1

<400>   7177

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gggggggggg ggggggatgg gtggagagag gaagggaagg aaggcaggac aataaaccca   120

aaccctgaat caactaacac gcattaggat taaggcgagc accccaacca acatgacaca   180

tgccctgtaa gaagctagga ggctaaaagc ggcgccactt cgggttagtg cgctcagttt   240

gatacatcgg cccagtagcc attgcaaaca atcattaatg agtgggggca   290

<210>   7178
<211>   552
<212>   DNA
<213>   Glycine max

<400>   7178

tcacagtcac tagcgactag tgttgatctg tgggtagcaa ctgtccaggt cctgtcacga   60

catatcaaca atgtataaac acccacaggc aaccacccag agtacagttt gagggcgagg   120

gccccggcgt gggtgcaata attttagtag agagtaggaa caccccgagt aacagtaagt   180

tggcaggact aacagtagaa aggggtaggt agagatataa gggatagagt cgaataacag   240

tatagggcgg ggcggggcac ggcgggcgcg gcagcggcgc ggcggcagtg tagaagaata   300

atagccaccc gcacaataac aacgatagta tagtgcacca ctgcaaccac tataagaact   360

taccccaggg cgccagggta agttaaccca accgggataa gcgggtacag gccctaaacc   420

attatttgcc agcacaccgg tttggcggca atggctacc ttaccagcgc atgcagctag   480

gtcgactaga ttagttacct gtactagcca acgagtggca gtttggtggt atacccgatt   540

attgaacaca gg   552

<400>   7179

tacttgccga gggatttgcc gctgctacat cgttagcagt gccgccttct tggggggggg   60

gggggggggg gggggggggg gggggggggg ggggggggg gggggggggg gggggggggg   120

ggaataacaa ttaaaggggg aaagaacaag gaagtgccct ggggaaaaaa ctgggccccg   180

cagaataacg gtttaacccg aaaaaaaatc ccggtatggc caaggtaagg gtaactggca   240

aaaaaattgc ccataaaggg taccttgata actggaaatt gaaaatgtag ggaataacaa   300

ggtttatgta aatcagacta ggcccgctat ggctaagttg gccttataca gtactatatg   360

gggggttaag cccattaccc gggctaaaat tgggtagggt tttgggccca ggcataagga   420

tttttctagg ggtggccaaa gatagcggca ttttcgttgg gtccccttag cccggctctg   480

ccccaataag cattccgccc aaaattggcg gttgaaaagt cccgggtttt gggggtatcc   540

cc   542

<210> 7180
<211> 573
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220083g09a1

<400> 7180

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cagtagtact agcgactagt gtcgatgtgt gggtagnaat gtaccagagt cctgtcacaa    60

caaaccctga ggggacatcg aaaggtattt aggggttgta agggatctga ccgatgacgg   120

cataagtagg cagctattat taaagcacac gcacatgctg gtgcggggag agtatttaag   180

ctaatatgtg tggtgaaggt ttagtgatac ggactttaa agtgccccgg acccgggttg     240

tgctcgtcag cctggtcaag gtcagtcatc ctcatcttcg gatccccgtc ccatgcgcta   300

gaaatcatcg cggaacccat catcactgct cggttaggtg cccctcacgc cacactcaca   360

accataacca aatcggtccc ggccgtgcta actcagcctg gtccggctac actatccaaa   420

ccaacaaatg tcttctatcg ctcccgtttt atagctgttc aaaaagcctt cagaccggta   480

tatctggacg tcaatgccat tgtctgtacg ttcgtgtgtc ggttggtgag tttcctcgta   540

ttcaggttca gtgtcttcgt agtcttatgc ttg                                 573
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<210> 7181
<211> 448
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220083g09d1

<400> 7181

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catcaaatat acaaaggcac gccttatcaa taaagtttat ataggaacat ttaactatga    60

agccaatctt ttaaaataat tagagtatca aagaagcaca acaggctcat taacgctacc   120

ataaaaatta atcttgcagc attcaggaaa atggaaacca gcctcatcta ggccagcctt   180

tgtaatatgc gggcatgacc tcacatccaa gtattgcaga gacgtgcatt tacccacaat   240

gatgcctata cctgccactg tgatctttgg acaattacta atcttcaaaa tcttcaaact   300

caatccaggc tcctcattgc ttaatagctg aaaagcagca tcagtcaact cttcacagca   360
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3197

accaatgtcc agtgcctcaa ggtttctgca ttgacttaaa acacagctca ctgaagaatc   420

agaaatgttt aaacaccaat ccatcctc   448

<210>   7182
<211>   546
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083g10a1

<400>   7182

gaatgactag gactagtatc gatctatgga taggcaactg tccagagtcc tgtcacgact   60

atataaatgg ctgagactac gaactgagaa tgtagggcac ctgtgcgcac aaggcacaaa   120

gcctgaaaca gcggcaccgg taacactaac caccacacga tgtgcttaaa catgattagc   180

atttgttgtt actattgggc ggtcatttac accactgtat atacgccgtt ggtgagacac   240

tttgtagtct gcacggtaga ctaatttggt gtggttggga gcgtatgcgc tgtattagga   300

ggcctgataa aacctacatg cagataatcc gaccgcctat tcatgcgcag ccccggccta   360

ggggccctag tctggccctt gggccgccta gcagtggtag ttggcgggat gctattcttc   420

cgagggtacc accatataga aatttcctcc gcataggtcc cggcggttga ccatctaacc   480

gcgtcggcag aaccctcggc agcgatagcc gcctatacgc gcttccgctg agtgcgccga   540

tgccag   546

<210>   7183
<211>   516
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083g10d1

<400>   7183

aacaagagaa gatgagtact taattatgaa gagtaaaatg agaaatgact aaggatgcac   60

aagacagaaa aggaacactc aaggaataca tacatggaaa ttaaaaaaaa gaaaaagaaa   120

aagaaaagac acaaaaggga tacaaaatac accccttggac acaagcatgc ttatctacaa   180

ttcgatgcat gcccccatgg ttttggcctt ctcttccaaa caccccaac aactgtagct   240

gatgagagga aaagacgaaa aagcctaaat tagggaactg catagacaga tcactagcac   300

3198

tcctcaacat agaaattatt attcttcggg ggaaacacca tgcatagccc ttgttggcaa   360

attaatcaag gtagctagct taattgatta atzaattaag cgttgctcct gaaggatcca   420

agagccttga tagctgctgc tctaaggatg tattggtggt aaaatgcagc cactgctgct   480

ccaacaattg gtccacccca gaatatccac tgatca   516

<210>   7184
<211>   572
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083g11a1

<400>   7184

cacagtgact agcactagcg tcgacgtatc gggtagacaa tgtacccagg tacctgtaca   60

caactgattt gtggatgtgg taacacgcgc gacgccaaga atgaacgggg ataactcgct   120

tgctaatgcg cctgggaata gacgcgccgg gcgaagggcg ggggccgcgc tagatgcgcc   180

gggcgacggg gcctgaagca aagaagtata gccggggggg ggaaaaaaaa aaaaaaaaaa   240

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaac cctccttctt catgacgcac   300

tgtcgtcatt tcccaaggaa ggttccattc cgattgctac ctcgattact gggtttgaga   360

cgcacgtcga ggaaactggc ctcgaagtag ccgtagactg cgggttgcgc gcaaaggcgg   420

agttcggtat aaggttatat aatagatcac ttccaactag aaacgcgaaa cttgccccgc   480

ttgaagcacg cactgaatgt ataggaaggc tcggctctgt atgctttctg ggttacgtcc   540

caaattgcgt cgcttactgc taggaagcaa gt   572

<210>   7185
<211>   162
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083g11d1

<400>   7185

aaaaaaaaac catgggatta tttcattagc caaaacttca aaccacagtt tgcccaccaa   60

aaacaaatta caaaccccac tttgttaaag ccccagttgc aggcacactt gtaaaactta   120

gttattccac tacccactct tgaaaagtaa gggggtagct tt   162

<210>   7186
<211>   558
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083g12a1

<400>   7186

atagtgatag ttcgactaga tcttcgctgc aatgtccagg tcctgtccgg cgcgcggcgg   60

ggtggcgcag aaacggggcg gggaggcccg cagtgttgtg ctgcgttcag atagacagca   120

taaggggaag ggcaggccgc ggggcaaggc gggcagttat atttatgggg gtagggttcg   180

gcaggtagga ggggcaggcg gtagtcaagg gtaagagtgc gactgcccaa caccccggaa   240

cagacccagt cagagcaaga gcagccggcc cagggcaaag gcaaagccgt gaacgcgggg   300

tcaggagcga tatgtgccaa ggtagaagga tgctcttagg ggataggggt aggccggaat   360

aagtttgggg gggggggccc tgatgcgaga ggaataccac caaggcttaa ttaaaagatt   420

ttggggagct atcggcaggg cagtgtggaa acagggagc agaacacaga aaggaatgag   480

aaaatcctca gaagagacgt gcggaggcga ggcgtgggcg gtgataaggg tggctacagc   540

gcggtagtgt atcgctaa   558

<210>   7187
<211>   385
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083g12d1

<400>   7187

caaccttatt ttttttttaa agggggaaac ctaaattggg ggaaaacaaa cccctaactt   60

tgaaaagacg agcccaaggg gaccctttaa aagcccacca aaattaagac ccggtcaaaa   120

aattcgcccc cccccacgc ggtgtcacaa aaatgggagg cccctgacc caatatcaac   180

tttaaaaaac ccaaccaaag acccccccc ccccctttta aagaaaacc cccccccggg   240

ggggggaaca accccatct gatttcggga caaaaacccc ttttaagagg ccccctct   300

aggcttcggg ggctccaaaa aagggtcttg cctcttgctc ccaaaggccc taaaaacatt   360

ggccccacca atacaaggat gcccc   385

<210>   7188
<211>   517
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083h01a1

<400>   7188

gtatattcag tcataggaga ctttcagtat ctgttggaat tgcaacagct gcttttgcac   60

ttgcaattct tgaaggaagc acgcagcccg gagtttggtt tcctgaagag gtatgtgttg   120

agtacaagtg tgaggtaaag tctcacatcg gataaaagtg gaaaggttga gcaccatata   180

agtgaggaga agacccataa acctgagcct taaggttttg ggttagagtg tggtgtcagg   240

tctcctcatg tggtgactcg tggtccacag gtgtacccct cgaatctgcc caacaattgg   300

tatcagagcc gatggttcaa gttggtgacc ggctcagacg agtatgcaaa gacttctcct   360

tgggggggaag gctagcgggc atggcaagaa ccgcaggtgg acatggctat actcgtggat   420

gataaagact tccccttgag ggaaagacta cgatgtggaa gagactcact atataagcgt   480

attcaattct caatattatt ctttatgcaa ttaaaag   517

<210>   7189
<211>   323
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083h01d1

<400>   7189

cgctagactt ggcaagcagg tttggcgtac tacatgtgtg cacgtccacc ttctttgggg   60

gggggggggg gggggggggg gggggggggg gagtgagaag ggaggacgga gaaagataat   120

gaacgaaacc ggaataaacc cacagacgca ctcaccaact gaacccataa tacgatttaa   180

accctggtg aatcaaaaag taaaggctct tcgcggagaa agctcgagat gctgcccaaa   240

gataaagcta gcgcctaaga tcaccattct agaatcaata cagtatcgtg atcaagaaca   300

cccaaattaa gcagcgtagt gtt   323

<210>   7190
<211>   417
<212>   DNA

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<213>        Glycine max

<223>        Clone ID: jC-gmfl02220083h02a1

<400>        7190

gaaacttcca cgaggttttc ggtgaaaacc aaatttgggg ctttgcatcg caagatttac   60

cctttccaat caaaattctt ctgccttccc ctaccaattc tttctctcaa ccgatttatc  120

tgagtgaggg gtttggccaa tgacgagtgg ttttggtgaa tcaacgagag cgtctgcacc  180

gagcccatca tgctcgggga acagttcaaa cgatgccggt gattttgaat gcaacatatg  240

cttcgatttg gcgcaagacc ctgtgatcac actctgtggt cacctattct gttggccatg  300

cctttatagg tggctccacc atcactccca ttctcaggaa tgccctgttt gcaaggccct  360

tgtgcaggat gagaaattgg ctcctcttta tggaagggggc aaaacacaga ctgatcc     417
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<210>        7191
<211>        359
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220083h02d1

<400>        7191

ggcgtgactt gcccagcaag tttgaccgta ctacatgtgt gcacgtcctc cttcttgggg   60

gggggggggg gggggggggg gggggggggg gagagagaag gaggggggag aaagacaata  120

tcataaccag aataaaacaa cagacataac gacaaactag acgctacaaa cgatttactg  180

cattagtaaa taaaaatgta aagggttaat gctgggaaag ttcgacttga tgcccggaaa  240

taaagccata tgctgtgtat cccatcttac aatcaataaa ggattgtgat cataaacccc  300

tcaaaatgta cagcgtagca ttccgagaag tgcaataaat cgccttctaa aacacccat   359
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<210>        7192
<211>        159
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220083h03a1

<400>        7192

gttctagatc gcgagcggcc gcccttttt tttttttttt tttttttttt tttttttttt   60
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3202

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tttttttttt ttttttttttg ggaattggcc ccttctggat aaagttcggc taatctgaat    120

tatgaatccc tgcttataat attaaatacc tttacccgg                            159
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<210>   7193
<211>   347
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083h03d1

<400>   7193

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cactagactt ggcagagcaa tttaccctac tacatgtgtg cacgtcctcc ttcttggggg     60

gggggggggg ggagggggggg gggggggggg gagtgagaag gaagacgaac aaagccaata    120

acaaaaccag aataaaccaa caggcatacc cacaaaaaaa acccacaaaa caatttacaa    180

ccataataaa ccaaaaggta accctaaac gctgggaaag ttagacctgg tgcccgcaaa    240

taaagccata tcctgtgttt cccatgcaac aatctataaa ggatcgtgat cataaacccc    300

caaattgaac acgtagcatt cctagatgtg taataaatcg tccccct                 347
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<210>   7194
<211>   527
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083h04a1

<400>   7194

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actatgacag ttcgactatc gctagtaatg tcccaggtac ctgtcaccca ctcggccggc     60

tcaggcaatc cgatcagccc aacaccaaaa ggtaacacta actttattcc gtcttcttac    120

ggtgttattt tccaacagag ctggctgcca attgtgaatt cgatgtcaat gggcacatac    180

atacaactgc actagcaaca ccacttgcac caacgagtgc cccagcaagt gccacaacaa    240

gtacaacacc aaatggtgaa caaaaaacca atataaccac ggaggcacag gcaaaagttg    300

aatggccgaa acttaaacac tggcaaactg acacagcggc agcggccaaa aataatacaa    360

tgggtaacct cgcaaacaca ccacagacac aaatacacac tttagcactc tgagagcacc    420

tgctaacact aaccaaaaat acagtaacta acaaccagg gacaatcggg actgtggaga    480

tcgtactaaa cccaacagct gctgaaaaac tcacaacaac acaaact                 527
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3203

<210> 7195
<211> 515
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220083h04d1

<400> 7195

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tgcttgacct tgccagcaga tttgccgtgc tagcatgtgt gcacgtcctc cttcttgggg    60

gggggggggg gggggggggg gggggggggg gggggggggg gggaaactaa aaagggtgag   120

gggagggata agcaaaacaa taagttagaa aaaagggtga gcccctgaga gagctgatgc   180

tgtgtgatag ttgataaaca gcgcacagga aatgaaaagg gttaccgtaa acaagcaaat   240

agtgtaggtg acttttaggg aaatagggta gagaagtgca agcgtaaaac gtaaagctaa   300

ttggcggatt atggttaagt tgggcggaca aaagcggtgc gggtgcgggt gccggtgggt   360

gcgggtacgg ttagttgttt taaagctaca gctaattagt ccgtgtggtg gggctgctaa   420

agtgaccaga tcagtggtaa tgcgagtgtg tatccggaat tcgaaaatac gtataccatc   480

acgtgcttta aggtcagcgc tgtgagtgag gctgg                               515
```

<210> 7196
<211> 595
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220083h05a1

<400> 7196

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tacatgacag ttcgatcttg tgtatgtcca ggtccgtcac tccgtcacgt ggattgtggc    60

ctagccttag gtaaagcgtg gtggggcgtg ggcgggtgtg dataagggga ggggctggtg   120

tggttggcca caacacgggg cttgggtaaa taataaacca ccatatacaa actactaagt   180

ggtagtaaga gatgtagtgg ccgtattgta ctgtatgttg gttggtagtg ggtgctactg   240

tggtgcttaa accgtttaaa acaaaactag taggacaacg ccgatataaa tagcccttag   300

ctgtttaatg caagaagtag cagcctaaac taaacgtgaa aatattatat acgcacaggt   360

gcaattaaca taaacaaacc cagaacgata ggaatgcaac cagtgtaaac aatggccctt   420

aacagacgac gcgcacgcaa ggccatgtac ggatatgatt acttaacgtg ccgacttgga   480
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3204

ggcccgagcc caaggatggg cgccgacggc catggccaat atttaacagc catggcgtat   540

gtagtgagca tatgcctacg cagtgtatgg ccatgtacgc acaattagcg ctgtc   595

<210>   7197
<211>   482
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083h05d1

<400>   7197

actgaccgag gaatttaacg ctactacatg tgtgtactac tacttacttg ggggggggggg   60

ggggggggg ggggggggggg ggggggggggg ggggggggggg ggggggccg gggggggggga   120

ggggagaaga tgggggattt gggataaaga aaggaaggga agaaaaaaaa aaataacccc   180

ccaaaaaaag attttagata aataaaacta gatgatgaat tttttctta aaaaaaaaat   240

agggaattttt tttataaaa aaaaaaaatt tttaaaactt tttttaataa aactaaaatc   300

ccccccctaaa aaaaacccat ttttaaaaaa acaatttaaa acccttaaa aaaaaacccc   360

aaattttttcc cctaaaaaaa acctgcccca aaaattaaat ttcccccttt tttatgtgaa   420

aacccaaaaaa aaaggaattt ctttccacaa aaaaaatctt tttttacaaa aacccttttt   480

tt   482

<210>   7198
<211>   576
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083h06a1

<400>   7198

cacatgacta gctatcgatc tatcgctagg aatgtaccag agtccgtaca ctgtggggtg   60

tgtggtgcca aggaggcgta gcctgaacac tgtaggtaac agccaatatt tatggcacac   120

cacctacctg caactagtgt ccagtaccca caacgagttt caaacaaggt tactgaggct   180

gcaaaccctta cataacacgc atcggttgca aaggcagaac aaaaacgtgt gccgtttgct   240

gcaggacatg cggccttacg aagcgcgagc gccgctccaa cacaagtaac tgcacgtttc   300

acaaccttag tggtagggag ccgaacaaga gcggcttatt aatgctccta agcagcgtgc   360

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taaggcagca ccaaaatatc cagcaacagc cagtgtgaga tagcatggat acgccacaca    420

atatagggcc ctggctcggt gcaaagaagc tcgcatgccg aattagtgca agacgatggt    480

tgaaaagtca ttaagcgcaa caagctactg caagtcgaaa ggtgtgccag tcagctgctg    540

agcgcaacgc cagcatcgtg atgcgcatgg agggca                              576


<210>      7199
<211>      591
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220083h07a1

<400>      7199

acactagaga nctagctgtc gagcgtatcg ggtagccaat gtacccaggt gcctgtgcac     60

ctgtaggctt aaagtagacg agagggatga aaatcgccga cggtagtaca aaactatggg    120

cacaaaggca gtaatagggg ccaataagag gagtagtttg taaagccccc gtccgccatt    180

gagctaggcc actccggggg cgggtagggc cgcgggtaag ggtaaaactc gtgatacaag    240

caatacggcc ctagaaagaa gactacattt attcaatact agtggcccca aggacacacc    300

cggggtgggc ggaaggtacg ctgaaacgga aggcattcgc cgtaagatac taacaagcaa    360

tagtgtgtgc acatacggct gctactaatg gtgagatgcg ttgagcgaca atttgtaggc    420

cggtgcttag ggcgcctagt gtccgggtca agcctttggc acatcagcat gcttatgtat    480

tacggcaaaa ggcttcggag cgtacgccta gggcgtccct cggtatgagg ggagatagtg    540

cgagtactgg ttgttagcaa atctaagcag tgggcagcgc cgcagcaaat a            591


<210>      7200
<211>      489
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220083h07d1

<400>      7200

gcttgccaga ggatttgccg ctggtagcat gtgtagtagt accaccttct ttggggggggg    60

ggggggggg gggggggttg gatggaaaga ggcaaggggg tggcagggca atagaagcaa    120

gaccaaaacc aaagagcgcc tatctaggat aagtgaagca ctaaaatgta aataagacat    180
```

3206

gagcattggg aaggtagggg ctatgcaagg ctgcatatag gtacagggct atccagatag 240

gccatcggct taagtcagta agcccaaaat cgggtggtgg tggggggggt aacacacaca 300

ttggagttgg ctcagtgata gtaaataggg taagttaggg gttgcaggga aattatgcta 360

ccctagtgaa aagactagcg aggcataagc tatactcaca aatgttgagg cactcctgat 420

gattgtgcca acgcagcagc ttgaagtgtg taactggatc gcgttaatcg ttgccgtgag 480

gctgagcct 489

<210>   7201
<211>   474
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220083h08a1

<400>   7201

tggactcaac agtgacgatc tatggctagt aggtagcaac tgtccaggtc ctgtcacccg 60

acacagggag ccaatgctcg cagaaaaacc tagagtgcac atactagcct ccctggggcg 120

gggtaaccct gcaattgacc tataactaac aaaggcgcac ctgctgtaaa caccaacccc 180

aacgccgcct tagcatgccc cagccgcgga agcagctgtt gcttggcaac tggctacata 240

ggccgaggct aagccctagg ctacccatac accgcctaaa ccaactggta cagagccgcg 300

gcctacagca gaaggggacg gtaaggcggc tgctgcggcc gcacccgaca gtgagtgata 360

agaagagcaa cctggggagt accgagagca gtgtggttaa gaggcctcac cgtctggtga 420

gagggggaat actgctagga ccgaggttgc aagcaggcag attgcgttac tggt 474

<210>   7202
<211>   477
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220083h08d1

<400>   7202

cggcttgccg gaggatttgc cgtactacat gtgtagtagt accaccttct tgggggggggg 60

gggggggggg gggaagcaat gcggtacccc agattgtaga gcaccccacc gtaatggtga 120

cgcggaagca ggatgagagt gatggggaaa cgtgaaaatc cgatgcgtgg tatgcgcgtt 180

3207

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aggggagtat ggccgtgtcg ctgatccttt ggcttgtcct acaaggtgac tggatcgctt   240

tcgctagctc atcgaggatg gaggtgagac atagccttga aaagtaaggt ttgccttcgt   300

cggggatagc cgatgcaagc ccgatatttg tatcgtatct ggtggaatgc gtgattaagc   360

tataatctgg gtgcaacgtg ctggagcggc ttgcatagcg ataggattca gtcttagggg   420

tgatagcgct ctgcttgctg gcctcaagca catctcaatg cgtttggtat caggagg      477
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<210>      7203
<211>      385
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220083h09a1

<400>      7203

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gatcatataa atggctgaga ctacgaactg agaatgtagg gcacctgtgc gcacaaggca   120

caaagcctga aacagcggca ccggtaacac taaccaccac acgatgtgct aaacatgat   180

tagcatttgt tgttactatt gggcggtcat ttacaccact gtatatacgc cgttggtgag   240

acactttgta gtctgcacgg tagactaatt tggtgtggtt gggagcgtat gcgctgtatt   300

aggaggcctg ataaaaccta catgcagata atccgaccgc ctattcatgc gcagccccgg   360

cctaggggcc ctagtctggc ctttg                                          385
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<210>      7204
<211>      516
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220083h09d1

<400>      7204

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aagacagaaa aggaacactc aaggaataca tacatggaaa ttaaaaaaaa gaaaaagaaa   120

aagataagac acaaaaggga tacaaaatac accccttggac acaagcatgc ttatctacaa   180

tttgatgcat gcccccatgg ttttggcctt ctcttccaaa cacccccaac aactgtagct   240

gatgagagga aaagacgaaa aagcctaaat tagggaactg catagacaga tcactagcac   300
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tcctcaacat agaaattatt attcttcggg ggaaacacca tgcatagccc ttgttggcaa   360

attaatcaag gtagctagct taattgatta attaattaag cgttgctcct gaaggatcca   420

agagccttga tagctgctgc tctaaggatg tattggtggt aaaatgcagc cactgctgct   480

ccaacaattg gtccaaccca gaatatccac tgatca   516

<210>   7205
<211>   588
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220083h10a1

<400>   7205

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ctgaaacagc ggcaccggta acactaacca ccacacgatg tgcttaaaca tgattagcat   180

ttgttgttac tattgggcgg tcatttacac cactgtatat acgccgttgg tgagacactt   240

tgtagtctgc acggtagact aatttggtgt ggttgggagc gtatgcgctg tattaggagg   300

cctgataaaa cctacatgca gataatccga ccgcctattc atgcgcagcc ccggcctagg   360

ggccctagtc tggcccttgg gccgcctagc agtggtagtt ggcgggatgc tattcttccg   420

agggtaccac catatagaaa tttcctccgc ataggtaccg gcggttgacc atctaaccgc   480

gtcggcagaa ccctcggcag cgatagccgc ctatacgcgc ttccgctgag tgcgccgatg   540

ccaggcctta acncggttaa aaactagatg ataataccga gccacgcc   588

<210>   7206
<211>   404
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220083h10d1

<400>   7206

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aagacagaaa aggaacactc aaggaataca tacatggaaa ttaaaaaaaa gaaatagaca   120

gaggatagac acaaaaggga tacaaaatac acccttggac acaagcatgc ttatctacaa   180

tttgatgcat gcccccatgg ttttggcctt ctcttccaaa cacccacaac aactgtagct   240

gatgagagga aaagacgaaa aagcctaaat tagggaactg catagacaga tcactagcac   300

tcctcaacat agaaattatt attcttcggg ggaaacacca tgcatagccc ttgttggcaa   360

attaatcaag gtagctagct taattgatta attaattaag cgtt   404

<210>   7207
<211>   552
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220083h11a1

<400>   7207

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taatcaatta ttcttctaca acttcttcta ctgccattcg gtctgtatca actgtcgtca   180

agttccctct cctcctcctc ctcctcctac tcgtcgtaac tcttgtgcta ctggtggtca   240

agttctaaaa ttggttgtgt tccaaaaata ataaagtta aactgtaaat ttgtcaaagg   300

aagtcaaaat gtaaatgttc aggttctcgt caaagtctgt caggtcttcc tcagttcagg   360

attcccaatt caccagtcca gtcgcggcga tggtatgact ggctcgccaa ggtcaacaat   420

tgatcaacag gctgatctcc gctccagcag acggtcccca gggacccggg cccggcatca   480

ctctcatagg gtcagccatc tcaagcgatt cgaccacggc agcactctcg gcgggccaca   540

caagaataag aa   552

<210>   7208
<211>   510
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220083h11d1

<400>   7208

gcaaacttca agaagagcaa caattaggac accgaatcaa gccattctca ttgcactcca   60

aacacctctt caacaaaacc acacctaaac ttgtgcacat cctatatatg caaaaataac   120

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caccacaaaa acctacacac agttcctcac atgctttcaa tgtcattctc caatcaaaat   180

tgaagtttca ctctgacaac ctgcgttgat cttcaatgca aacctctatt acatactgga   240

accaattctg attagataac agaaccgaat acacacaaga ccgaagcttc acaacaataa   300

tccatgttga tcttcaatgc aaaccttcac cccacacgtg aaactccaat tctgattaga   360

taacaacacc aaaaacacac gaaattggag cttcactatg taatccatgt tgatcttcaa   420

tgcatagttg caaaccttca ccccacacgt taaactccaa ttctgactgg acatcaacac   480

cagaaccaaa aggaatcgca tctaagttca                                    510
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<210>      7209
<211>      587
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220083h12a1

<400>      7209
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gccaaaggcg tgccgacctt atgttggcaa gagagcgacg cgccggcta  gagaaagctg   120

gcggggttgg gaggcgtgca ataggatgcg gcctataata cgccctgcag gaatagggggg  180

aggggagggg agggagggag gggtggagcg gcgggggggga tggttgggaa agggggggag  240

ggacaggcgg cggtgtttac ctagatgtgg ggaagaaacc taataccaac ctaacaagta  300

gggaataagg aatatgtatg gggggaatga atgatgaatg acaactaggg aaggaagacc   360

cgcgatggaa gcggttggaa gtaagatttg tcacatatgc aggaataaca tttgggagcc   420

agactgggag caagagacac aatagcacac aaacgcataa aatgaaaccc acacagaggg   480

cagtgcaaac tacgactgaa aatggcgagc caaggcaagc cagcagttca cagtggaaat   540

aagagagaga cggacactta gtggggtgat cccgatacag tacacaa                 587
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<210>      7210
<211>      526
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220083h12d1

<400>      7210
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ataacacaag aacaccaata tataaattga attatattga ggcactaact gggcatcagc    60

tgttataaaa taatagatac atcaactggg tatacgttta cagcataaat tttaaatagt   120

aaatggcctc ttaacagttt tcaataataa actgcatcac ttgacgacca tgtttcctcg   180

gttcacgaga tgaccatttt aatgcattac tttcgatttc taccacccag ccaactggca   240

ctccatagta taaataatga accatgttac agtcttatca agggaacttc caatatatga   300

accaccaatg cagaagtacc caaggccact aactcccaat aacgaactga tcggcatgct   360

gcaatgttac taaaaaaaca agcagttgaa cttgtttgat ccacgaatcc ctgcttcagt   420

ggtcactcca ttttgaacat agtaaaacca ggggcaaaat gacagttatt tgctcatttt   480

ttaagccttt catcaattta agacatctaa tcgcatcaat aatgat              526
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<210>   7211
<211>   529
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084a01a1

<400>   7211

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ccagcctggt gtgttgatcc aggtctttga aggtgaaaga gcaaggacta aagataacaa    60

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actgtgtgct ttgacattga tgccaatggt attttgaacg tctctgccga agataagacc   180

actggccaga aaaataagat cactatcacc aatgacaagg gtagactgtc aaaggaagat   240

atcgagaaga tggttcaaga ggctgagaag tacaaatctg aggatgaaga gcacaaaaag   300

aaggttgagg ccaagaatgc tttggaaaac tatgcataca acatgaggaa cactgtgaag   360

gatgacaaaa ttggtgagaa acttgatcct actgacaaga gaagattgga ggacgcaatt   420

gagcaagcta tccagtggct agacagcaac cagctcgcag aagcagatga atttgaggac   480

aaaatgaagg aatcggaaag catctgcaat cctatcattt gccagatgt              529
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<210>   7212
<211>   357
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084a01d1

<400>   7212

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gggaaaacaa tgaggtttcc catctaatga aataaagcca atgaccttat gcggaaagca   120

acggtcattt tacacgggca aaacaattag tatcccatcc aacaaaaatc ataaaaggta   180

aaattcaata aaaaagcctc aaataaggtt taaaccgata aaggggtgaa agcaactccc   240

catttaggcc acttccccaa tcttggggcc cggaccactt ccaccagaag gagcaggata   300

atcatcctcg ggtggcccaa aaccaggacc acccatgtga ggaccaggac caccttg   357

<210>   7213
<211>   517
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220084a02a1

<400>   7213

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actgtgtgct ttgacattga tgccaatggt attttgaacg tctctgccga agataagacc   180

actggccaga aaaataagat cactatcacc aatgacaagg gtagactgtc aaaggaagat   240

atcgagaaga tggttcaaga ggctgagaag tacaaatctg aggatgaaga gcacaaaaag   300

aaggttgagg ccaagaatgc tttggaaaac tatgcataca acatgaggaa cactgtgaag   360

gatgacaaaa ttggtgagaa acttgatcct actgacaaga agaagattga ggacgcaatt   420

gagcaagcta tccagtggct agacagcaac cagctcgcag aagcagatga anttgaggac   480

aaaatgaagg aattgcaaag catcttgcat cctatca   517

<210>   7214
<211>   356
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084a02d1

<400>   7214

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taatcaatta tgttcaattg tcaattttgg ccactaagtt ttttactttc attcaacaat   120

ctcgaaggaa atgtcatggt ttttatcata ccagtccgat ctagaatgcc atatctagct   180

taaagaacaa tgccaggaaa atccataatg aaatagaata gatgaagtgc tgtgataaaa   240

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actttggaag catacttgtc tgagtcctct tccacatact gtcctgtcac ggtatacagt   360

ctgttatacc aaccatttga tgccatccca atagctgaat acaaatacct gcgactctca   420

ccaggatttt gcagcaaata ctcgatgtaa taaatcccat tagatgattc acaatctatg   480

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<210>   7217
<211>   340
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084a04a1

<400>   7217

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gtgagggggg aggaggttag gggtgcgctt aggattctcg cgacggctaa ggttccggcg   120

aaggctactt agcgtgcacc accgtgttgc aggtgtcttc cctatgtcac gctggtgagg   180

attgacttgc atgactttgg tcccttcaat atgtattccc agggcacccc tatctccaac   240

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accctaaatg ctgttaatta ttgccctctg tttacccttg   340

<210>   7218
<211>   587
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084a04d1

<400>   7218

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taaaagtttt cttcaaccta tttaaagaca gaatgaaaaa tctatattat atacgcaagc   120

attatacaaa gatatgtcat aaatagaaga aaaaaaggta aagaaggggg acgggaaaga   180

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gggaggggaa gaagtaaaac acatccaagc caaatttgtt cactctattt ttatatgtta    240

aggggctctt ccctagattg tccattgttg tatccatcat aggttttggt ggacttgtaa    300

aactttctct tcaacacaac aatccatgtg atcacttcca agaacaaggc aactgcacca    360

agtgcaataa gaactgcagt gtaagttgat ttccatttct gatcaggatg caagatgcta    420

aagcccctga agatgttgat gattcccagg ataactatgc tgtatccgac gctgtggtga    480

tatatgttcc agatgtacct atacttgtga tccttcactg gcctcaggaa caatgcaaaa    540

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<210>   7219
<211>   522
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220084a05a1

<400>   7219

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gttatatata tacacacacc cctctaattc agctttggag taacctagtt gaagatgcca     60

tgggaaacct ctttggcaaa aataaaaagc gtgacactga aagtgccaac aataataaag    120

gaagaggtgg aagaatctac actgccgtga ccacaagagg cttaccacct catttcccaa    180

cacaattacc tcattcacag cctccaccgc tattatatcc aactctagaa cctccgccac    240

cgccaccgcc gccgccgccg ccaccggcac taccacaatc catgtccaag aaaccaagtt    300

ttgcgagagt tttcgctaaa caaagctctt cagtcatgaa caacaatcaa tctgctgcca    360

agaagtatgc tntgattcgt gataacttct ctacccttga acaggtgact acagccctga    420

ggaaagaagg attagaatca tcaaatctca tccttggaat ngattttaca aagagcaatg    480

aatggactgg cagaatctca ttcaataaaa gaagcctgca tg                       522
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<210>   7220
<211>   593
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220084a05d1

<400>   7220
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catcgacacg aaccatgcat atatatagaa accttgcaca attcatctcc attttttcaat   120

acacttgaaa catcccaaac agagacaagc tatcattttt agacttttaa cctcaccata   180

tataaaccct attgagaaag gcatgttatg caaactatgt aattaatgtg catggttttc   240

attacaatca cccgctgtac accctgagac gactagtgat cctctctcgg cacatgggac   300

aattagttaa tttgtgtcca cactctctgc aagtcatgtg cccacatcca aaggccaaat   360

ctcttgcatt ggtcaaacaa actgggcagg ccgtttggtt ttggtcatct ccggaggatg   420

ctgctgtatt aatgctgggt gcaggcctag aataaggaac aggaggaggt tttggaacta   480

ttctctttgc tcttcctgtt acacgtccga gtattccgaa ttccatggtt gctctatatt   540

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<210>      7221
<211>      529
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220084a06a1

<400>      7221

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ctgcagttct tgacaagttt ggtgccatgg gaattgacac ccctggcgtc gttgcactgc   180

ttggagcaca cagtgttggt cgaacccatt gtgtgaagtt ggtgcaccgt ttgtacccag   240

agattgatcc agctctgaac cctgaccacg tccctcacat tctgaagaag tgccctgatg   300

ccattccaga ccctaaggcg gtgcagtacg tgagaaacga ccgtggcact cccatgattc   360

tagacaacaa ctactacaga aacatattag acagcaaggg tctcttgata gtggatcacc   420

aactagccaa tgacaagagg accaagcctt atgtgaagaa natggccaag agccaagact   480

atttcttcag gagttctcta gagccattac cttgctctca gagaacaac                529


<210>      7222
<211>      434
<212>      DNA
<213>      Glycine max
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<223>   Clone ID: jC-gmfl02220084a06d1

<400>   7222

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tgagtatgaa tatcataagc attgtcactg ccatcataac agcactcaca cgcatacata   120

acataattaa caccatgaac atgcccttct acccaactct aagctacttg catagtacta   180

catatataat atccttattg aaattaaaaa aaaaacaaca gtaacatcgg aagattaaaa   240

aacatagcct cttaatcctc ccatccccat gaacctgcag tggtctcggt tcattgaacc   300

agcccattta aaggaaaaga ccttaattat tttttgcata atatattaca gattttcttc   360

ctcgatcata gacaagggga ggaaaattca agggtcctga tcatggtgct tgttggcaac   420

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<210>   7223
<211>   483
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220084a07a1

<400>   7223

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gtttctcatc atcatatctc aattctcaac gagttttaaa ggacaaagga aaccacaacc   120

aacaacacca gacgtaggag aagcttgcca agagagagga atcatagttc cttttctggg   180

aacgacagat cctcctttat gctaccttca ccacctcttt cttcatacca tacccccct   240

caagagcttt tcttcaaatt gaggaggtgc gtggcagaca aagctatgtg atcgatcacc   300

ttgatggctt ccatgtataa tcaatcgtag gtgtttcatt gtctagatat gtatacatgt   360

ataacagtat atgtgcttgc tgttgcacgt tttaatagat tattaggaga tctaatttct   420

tctcagggggg ggattaatca tagacacact gcttaatcaa tattnnntga ggagatatac   480

                                                                      483

atc

<210>   7224
<211>   532
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmf102220084a07d1

<400>   7224

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ttctgctctc cccatcgatc aactaatgca cgcccgagtt atcgtcaaga gtcataagtg 120

taggaatttg gccatggtta acaaaatcaa ttttattcaa tcttaagcag cacaacactt 180

cctctggaag ttcctcttgc ttttgtgcct ggatagttag gccaacatca agtattccat 240

gctttacacg gtctcgaagt gaatcaagtc ctttccttga tatatagcta aagcgatgta 300

tatccagatc tatttcaaag tagttaggtc ccttatagaa ctcgtgttga ggacgtgaca 360

aaactggctt gccattgtag gcatttataa gcttcttctc ggcagaatac agattaaggt 420

cctctggatt aactactcca gccaaaattt ttagtctctc cctataggga accaggcttt 480

cctttgtata ccctttcacc ttttctggct cgtcatctgg atcatcccca ta   532

<210>   7225
<211>   408
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220084a08a1

<400>   7225

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gcatgggtga gatgataagc acgcaacgca attaaaaaga attaatatgc aacgaatgga 120

tgtgtttgaa gctggcctca tatatcaata atggattaga tctgattctg gctcaacgtt 180

catgacgatc accacccact actccattcc gggaagctct gggtatctgg acatataccc 240

agagaggaaa gtctctgcct ttcaaaaccc ttacattatg ggcttcactg ctgtcgctag 300

cattggagga ttgctctttg gctacgacac tggtgttata tctggagccc ttctctatat 360

caaagatgat tntccggatg tcaggcacag taattttctc caggaaac   408

<210>   7226
<211>   503
<212>   DNA
<213>   Glycine max

3219

<223>   Clone ID: jC-gmfl02220084a08d1

<400>   7226

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tacaagatta cattttagc ataatgtccg cgttgcaatc ttgtcacact ccacattcac   120

aatggtctga aataaaagag gtgtacgcca agtttgagtg caaacttgtg gcagccaaac   180

taataatagt gactaaaaaa aaaaattagt ttatatcact ttatagcata atatcaatca   240

tagcagaaca tgatatagac atgagccgca ctaaaatgct ttgcattcct aggaatgatt   300

ttcagtccga acaagaaggc tttgagcatc agggttcttg ccccaagctc tctccttcca   360

taacagctcc acttcatcaa atgtcaatcc cttggtttca ggaacataga caaccacaaa   420

cataaacgca agcacggcta taatagcaat aattaagaaa gtagggccag tgcctacagc   480

tgcagcaacc gacagaaatg act   503

<210>   7227
<211>   447
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084a09a1

<400>   7227

ctctggaccg agtcaagcgg cggcgaatcg gcatgactcg gcgctgctcc cactgcacca   60

acaacggcca caactcccgg acatgcccgt cgcggggagg gggcggcgtc aagctgttcg   120

gggtgaggct gacggatgga tcaatcataa agatgatcgc tagcatgggg aaccttaacc   180

tgtcctcctg ctcctcctcc gccgccgccg cacatctgca attccgttca tctccttctt   240

cttgcaacct ccccgcggcc tcatcgccca atccaagctc cccgagctcc gacccgcccc   300

aaggctactt gtccgatgac cccgcccacg tctccacctt cgctaaccgc cgcggagata   360

gaaaaaaagg agtgccatgg actgaagaag aacatcggct gttcttaatt aggctccaga   420

agctgggcaa aggagactgg cgaggga   447

<210>   7228
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084a09d1

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ttggtgctat ttgattattt aagcttcatt tgtttacagt tagaaagaat aaatattttc   120

caagaattga tctaacctga tctacatacc accatataac ttgctactaa ttggaagatt   180

aaatgctagg gatcaggaat aaaaaaaatg atatataatg gtacaaatga aaagatgagc   240

aaaagaaggc ttaattactg ctgctgtctt caccagacct tacaagctca gacagcttga   300

attgcgttgt ccttgccatt gtttaaatcc gaactaccaa ccgggacatt tgcatggaat   360

gctgactgcc ttgagggctc tcctaacaac tttatggaaa gaggggaagg ctctctatca   420

cgtacctgtg cttccccaat gcttagatga gacattccca caagttcgtc aacattaaca   480

ggttcctttg gaatgactgg gattggcttg tggatctgat ggtggcatgt ctctcctcct   540

taacttcttc aaggggtgaa cccaagttga t   571

<210>   7229
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084a10d1

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tgactgaacc cattcgagca cactaacaaa agggggaaat tcatgggagt attctgacta   120

ttataaacag agctgaccta cagggatgga cccttagagc ctattttagc tatcctattg   180

caagaagcca taacttaggc acaagtggct tgcccatagt gcagcaaccc cttgaaatta   240

aggaggctca ttcatcccct ggagtggctt caccgctgga catgtgaagc taagtgcatg   300

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<210>   7230
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<212>   DNA
<213>   Glycine max

3221

<223>   Clone ID: jC-gmfl02220084a11a1

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ataagcacgg tttctaaaat gttttgcaat tttcacatta ttcttctaat tgctcttgca   120

cttttggtac aaatatcatc tcagctaggc tccaaggtag aagtgcttcc tggctttgaa   180

agccctcttc cttttgaact ggaaacaggg tacgttggat taggagaaaa agatgatgac   240

atgcaagtgt tttactactt tgttaagtca gaaaatgatc ctcagaaaga ccctcttatg   300

cttaggctaa ctggaggtcc tggctgctct tcattttcaa gtcttgcctt tcaaataggt   360

ccacttcgat tcaagataga agagtatgat gggagtgtgc caaattagat cttgaagcca   420

cagtcctgga caaaggtttg caacatta   448

<210>   7231
<211>   393
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084a11d1

<400>   7231

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taaacattga caattcaaaa aataaaaaat catagacaaa tgagcataac attgataacc   120

tagatttctg ccaacatagc ggctgagtta caaaggcata ttagctatcc atctactgaa   180

catggcaaaa ccttcctcag gcttgtactc tggagctgta tgtcctgaac ccttcacagt   240

tgcaaatgtc atttgattcg agtaaatcct tgtgtatcct gcaacttggt cttctagaag   300

ccatggcctc caatcttcca caatggagta gtttagagcc ctaatccatg cttgggttga   360

catgaaagga acaactgcat catgatcttc act   393

<210>   7232
<211>   353
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220084a12a1

3222

<400> 7232

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ctctctctct ctctctctct ctctctctct ctgcttcact tgcttgaagc aatggccaaa    60

gccttggcat cagtgctgct gtttctcctc gtagctgtga gtaatgtgtt gagctgtaga   120

gcttgaactt gaaactcttc caccctctta ccctcaccct caccctgttc actcccccac   180

accagcacct cttcacccac cagcaaatgc tcctcaccca caccaccacc accaccacca   240

ccaccctcca gcaccagcac cagcaccagc acctgttcct tcaccttctc accacaatta   300

ccctcctacc cctgcccctg ctaagcctnc tactcaccac catcaccatc acc          353
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<210>   7233
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084a12d1

<400>   7233

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agtcggcggc cgcccttttt tttttttttt tttcatacta gaactatcca tttcatacgt    60

actgtcactc attattgtgt atgatcaatt caagcccaga gcctacaaac gcaaaaccac   120

aaataaaaat gaagacaaac aaaacaaggc cagaaagaag gcaaattaga gacaacacag   180

ctctatcata taacttaaaa taacttgaaa tatgatatat ccataatttc ttgcatttaa   240

tggcaattgg gctcaaatgc aagaggccca acagtgtaga gcacaaaagg aagcctctta   300

gacaagaaag gcttctcggg cctgagaaga gcaccagtga caccaccatg gagatttgag   360

gccttaagcc cataggctgc actaaccaaa accacgttac acttgtgggc cccgtacgtg   420

gttatgctct tt                                                       432
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<210>   7234
<211>   510
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084b01a1

<400>   7234

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ggggttgcga ttttggcttt ggcagcaaat gctgttcaca agctttggaa atggcagaga   120
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3223

aatgagcgga acactactgg gaaggccact gcaagtattc aaccacaact atggcaacca 180

tctagtggaa tactgatgac taatgatata agtgatacta acccagagga tgctgtgtca 240

tgttttgcac tgtcaaagaa tgactcatat gttatgtctg cttcagggggg gaaaatttct 300

ctattcaata tgatgacatt taagacaatg acaactttca tgccacctcc accagctgcg 360

acatttcttg catttcatcc tcaagacaat aatattattg ctattggcat ggaagactct 420

tccatacaaa tctataatgt tagagtggac gaggtcaaaa ccaagctaaa aggtcatcag 480

aagagaatta ctggtcttgc cttttctcat   510

<210>   7235
<211>   422
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220084b01d1

<400>   7235

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aaataaaggt aggaccaaag aaaaaaaaat aataacaatg accctccact ctgcaacgcc 120

ccagccgaat ttacgccagt aatcctatga gggtaataac atactgtgcc aatcccacgg 180

ttaggaagcc actaataaca aggtgtgatt ggttcaattt gattagtcct aacctacaaa 240

cacctacgtt ccgcagcttc cctttgcaaa ccgaatggag gcaccaggga gcgggatcat 300

atgcaatcaa aacacacact caaagttcct tagagaaaag tgctacataa tgtgccatcc 360

atcatcttag gggttgctct gaaacagcag cacctgaagc agagctaggc ccggcaccat 420

tc   422

<210>   7236
<211>   494
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220084b02a1

<400>   7236

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ggagatgtca ggtggtggat gcagcatagt gtggttcagg agagatctga gggtggagga 120

3224

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taacccctgca ctggctgcag gagtgagagc aggtgctgtg gtttgtgtct tcatttgggc   180

tcctgaggaa gagggtcaat actaccctgg aagggtctct aggtggtggc tcaaacaaag   240

cttggctcac cttgattcct atctgagaaa ccttggctcc cctctaatca ccaaacgttc   300

cactaatagt atttcttctc tcttggaggt tgttaagtcc accggggcta cccaactctt   360

tttcaaccat ttatatgatc cgttgtcact tgtgagggat cacanagcaa aggaggttct   420

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gtgaatgatg ctca                                                     494


<210>      7237
<211>      443
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220084b02d1

<400>      7237

tcgcgatcta gaacctcgag ccgctcgtgc cggcattgca tcaatagctt tgagcccatg    60

gtcctgaggt tgaatggaga atttgcacca tttgggaagc tgcttatggc ctgattccta   120

caagttcctc agctgttgat cttccggaaa ttatagttgc aaccccacta cagcctcccg   180

tgctgtcatg gaatttgtac ataccctat tgaaggtcct ggaatatctt cctcgaggaa   240

gcccatcaga ggcatgtctt atgaaaatat ttgctgctac agaggaagct attcttcaga   300

ggacatttcc acctgagtcc actagagaac aaaacagaaa atcaaaatac ctagctggca   360

taggctntgg ctctgcctca aaaaacctgg ccgaggcaga acttcgtaca atggttcatt   420

cactcttctt agaatcatgt gca                                           443


<210>      7238
<211>      546
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220084b03a1

<400>      7238

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cgctgcctcg acttccaccg tctcgcactg gcactcccat tcctggttcg ctttcatttt   120

catggctttc ttcatttccc actttaactt taagtgcttc tcgttctcgc tcctccggaa   180

taaaccctcc caatccctca cgttccgatg attccttcat tcgagctgcc tggacccgaa   240

gatctcgagg tgaagctgca aagaaaccta acaggaaatc gtggaagcag aggacagaca   300

tgtacatgag accattctta ttaaatgttt tcttctccaa aagatttatt catgcaaaag   360

tggtacaccg aggaaccagc aaagtgatat gtgttgctac cacaaacgcc aaggatcttc   420

gaaactccct tccatccttg atagatcata acgcttgtag agttgctgga aaccttattg   480

ctcaacgatc aatggaagct gatgtatatg cagtagccta tgaacctaga aaggatgaac   540

ggattg   546

<210>   7239
<211>   405
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220084b03d1

<400>   7239

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tggctacatt aaaacaggct aatttgatag gaaatgagct caagcaaaaa taatcccgtt   120

ttccttaata gtatcaagaa cgatccctag tctgccttca atcctttcat cctttctagg   180

ttcataggct actgcatata catcagcttc cattgatcgt tgagcaataa ggtttccaac   240

aactctacaa gcgttatgat ctatcaagga tggaagggag tttcgaagat cctaggcgtt   300

agagagagca acacatatca ctttgctggt tcctcggagt accacttttg catgaataaa   360

tctttaggag aagaaaacat tnaataagaa tggtctcatg tacat   405

<210>   7240
<211>   499
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084b04a1

<400>   7240

attaatgccc ctttcatttt ctctgcatct gtagtatcta tcaccaatca attccactct   60

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tcttcccatc aaacaacaaa aaatcaatct gggaaacaaa aacaaaatgc cgtcattaga   120

ggaggaactc ttcccatcaa ccccaggaaa gttcaagatc gagcggtccc accacatgaa   180

ccgccaactc tatcgctgtt tcgcctccac cagcaccatg ttcctgtggg ccctcttctt   240

aatcgccctc accgcttcct atctcagctt ccaaggcttc gtcgattccg gcagccgcta   300

cctcaccgcc tcctggggcg ggatccagtg ggagaagcag gtccgcacct ccgcccagat   360

ccaccgtcaa ggcggcatgt ccgtcctcgt caccggcgca gccggcttcg tcggctccca   420

cgtctccctc gccttaaaac gacgcggaga cggcgtcgtc ggactcgaca acttcaacga   480

ctactacgat ccgtccctc                                                499
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<210>      7241
<211>      521
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220084b04d1

<400>      7241
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taccacacta aaaagaaaa agaaaaaaaa aacccttccc gaataaaaag gaaacaaaac    120

aaaatttatt aatttacagg tttgccgtga ttgtagccgt aataggaaag ataccacttg   180

acgaacttct tcaacccggt ttgcaaatcg gtcgtgggct tgtacccgag ctctctccgg   240

gccgaactaa tattcgcgtg agtaaaagga acgtcaccgt ttccaggcat gtccacaata   300

ttcctcttcg ccttcacctt caaatgccgc tccaatatac tcacaagagt aggaacagta   360

accggcgaag tattccccag gttaaatatt ctatacggag cgggtccacg cttcttccca   420

cccgacccgg tactcttagc cgaagtatcc aacgacccga cgcaaccctt cacaatatca   480

tcaatgaggt gaaatcccta gccaggtcga catgggtttt a                       521
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<210>      7242
<211>      274
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220084b05a1

<400>      7242
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gagatggctt tgcacacact cggtggaatt catattcgta ttaacactgg tggagaggcc   60

gtgggaaagc tctttggtga tgatgatgag cgtgacactg caagcgacaa cgattacatt   120

ggtggaggtg ttggcatgta cgctgccatg accacttgaa gctttggagc tgatgcactg   180

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cagctcggtc gacgtctgcg ccatgggcac tacc   274

<210>   7243
<211>   304
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084b05d1

<400>   7243

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acccttgtta cctccctgac cgtgacctgc taccaaactt tgacttacta gcttagcata   180

tcttatccct aatgctaaag gcatgttatg caaactctgc agttacagcg catggttaac   240

attcctatca cccgatgtcc accatgcgac tgatcctgaa ccggtctcgg cacatgggac   300

catt   304

<210>   7244
<211>   483
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220084b06a1

<400>   7244

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ttacaacaac ttaaacgatg gcaggaggag cttatgtaga ttcgggaaat gcaaagcaat   180

ttgatgggaa ggtcacggca ttcgtattgg ttacatgctt tgtggcagcc atgggaggct   240

tactcttcgg ttatgatctt ggaataaccg gaggagtgac ttctatggaa ccatttctca   300

tcaaattctt tcccggtgtt tataaacaaa tgcaagatga tgttggccat agaagccaat   360

attgcaaatt tgacaacgag ctccttacac tcttcacctc ttccttgtat cttgctgcat   420

tagtagcttc tttctttgct tccaccacta ccaggatgat ggngacgcag ggcctcatgt   480

tct   483

<210>   7245
<211>   332
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084b06d1

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ggaattcaac cccctttttt tcttcttcct ccattttcac cccttaaata tcaagggcat   120

tctttattca actttgggcc ccccccagggt tgggaacatc atcagcatgg ggaacaatct   180

ttgaccaaaa cccaggggac ccccaaactg ggtgcctttc ttcaaggggg aaggtctttg   240

gcccaggcaa caacatggca atgaaaaggg cccttatgag gcccaatgcc ccaaaaaaaa   300

aaaaagggcc caacttcaag gggcaaagca tg   332

<210>   7246
<211>   397
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084b07a1

<400>   7246

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caagcgagtg aacatgggaa cctctgcgaa cgctgtcgca agtggtcgtg cggcgccccc   120

tgtccccaaa gacgtcgact acgctaatta cttctgcacc tatgctttcc tctaccacca   180

gaaggagatg ctctccgacc gcgttcgcat ggacgcttac ttcgacgcca tttttcaaaa   240

caaacgccac ttcgctggca agactgttta ggatgtgggg actggaagag gcattcttgc   300

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agaacatgcg cgtgcacttg tcaaagcgaa taatctc   397

<210> 7247
<211> 419
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220084b07d1

<400> 7247

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acatattcta aaacaaaaag ggccacaagc ttcccctaaa actcaggttt agataaccag   120

cacgacggtt acccaaccat tataactgaa acatgctaaa cgtacttgag ttgcaaatca   180

taaaccccca aaatgattgg aaaaacccga atgttgcaag gggcggcaac tactttttc    240

ctattactac gtaattaaaa acccttcaat tccatatgat cacaaaccct gtgagccgtt   300

ccttggatct tgcagccccc aaaatttgaa atccaaattg ttattcaatg tgagccttat   360

ttttgaaagg tgccagtagc ttgccaaaat gctgatgaat ctcacatcca agttcaacc   419
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<210> 7248
<211> 391
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220084b08a1

<400> 7248

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cgcggtggtg aagtagtcga cggagggtga caaggctccg gcggagttgt agccaaaggc   120

cggattgtag cttccgaagg atggaagcgc cggcggagta tggtagtagt tgttgagata   180

cacgaagatc gtggtgacat acaagatcta catcttcaag gttctgaagc aggtccaccc   240

tgacattggt atctcatgca aggccatggg aatcatgaac agcttcatca acgacatctt   300

cgatatgctt gcccaggtat cttctagact tgcccggtac aacaagaagc ccaccatcac   360

ttcaagggaa attcagaccg cggtcaggct t                                  391
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<210> 7249
<211> 524
<212> DNA
<213> Glycine max

<223>   Clone ID: jC-gmfl02220084b08d1

<400>   7249

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atcccatatt cttcacttac aaattgcttt caccaaaaag aaaaaataaa ccaacacttc   120

aacataaaac atattcctaa cagagacacc tagatcgaag cgaaggggca taatagtcag   180

ttcaagagct agtgaacttg gtgacagcct tggtaccctc agagacggcg tgcttggcca   240

attcaccggg cagcacaagc ctgaccgcgg tctgaatttc ccttgaagtg atggtgggct   300

tcttgatgta acgggcaagt ctagaagatt cctgggcaag cttctcgaag atgtcgttga   360

tgaagctgat catgattccc atggccttgc tagagatacc aatgtcaggg tggacctgct   420

tcagaacctt gaagatgtag atcttgcatg tctgcacgct cttcgtggat ctcttcttct   480

tcatcccttg tacgccggcg cctccctcct tcggaagctt tttt   524

<210>   7250
<211>   383
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220084b09a1

<400>   7250

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cctctcttcg ctgcaatgaa gaaacgtttg tttttcttct ccgaagaaga aaaaaggctc   120

tcggcgacga tgcgcagcac cactctccct cgttcctcga tgcccttctc tgcgaagagc   180

gagaaacctt cgaggaagac tttgatgaga acggttatga gcgtgagacc gaaaacaacg   240

aaccctctgt gataaagtcg caatctttgc cctaggtttt gcacgataat gacctgttct   300

gggaagacga agagctcgag tcgttaatcg cgaaagatgg agagacccat ttgngttttc   360

atggagtcgt tgctaatggg gcc   383

<210>   7251
<211>   472
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084b09d1

3231

<400>   7251

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cttaaaccac aaagtggaga agggtatctc agtctctgcc tcattaattt tcaaattatg   180

gctagaaatg tctataacta agaacataat ttagtagcat ttcaataaca taactgccag   240

atttatatga aagaaagcta ccacatttga agtaaatact aagttcatta ttagcgaggg   300

ctattaagaa catcaattga cacacaattg acagaaggca gtcgcatttg ctggtcctga   360

gattttctcc tcttcaacag cggctccagt gaaagtgaga ctgatgatga cacggtccat   420

gaatcatttg agctatcaca actgaaagat gcatcagtga cagcacctgg gc   472

<210>   7252
<211>   444
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084b10a1

<400>   7252

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ccgtttgctc tggagaataa cggaggagtt acgatcggac ggtcctcctt cgcttactgc   120

gtcgcgatct gcgatcgaga ttttccggat gatgattccg actccagctc cgactcctcc   180

atcggaagga acagcatctc gtcggatgat tcctccgacc gggaagacgc cgtcgaagtt   240

gaggttcagt gttccttcaa aggccctttg gataccatca atgatctaga ggaagattta   300

cccgtcaaga aaggcatatc taagttctat agcggcaaat ccaagtcctt cacaagctta   360

gcagatgctg cagctgcaag ttctatggaa gagatagtga agccagagga tccttatgct   420

aagaaacgca agaacttaat agct   444

<210>   7253
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<223>   Clone ID: jC-gmfl02220084b10d1

<400>   7253

3232

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ggacattgaa aagttcacaa agtactgggc cattacaaac aaactcgaat gtgaaccaaa   120

ctcatgggca ctggctatca actaaaagct tatattgggg tcaaaaattc agtgcattta   180

gcttccacta caaatagcca aaccagattt atcatgagcc ttagcaacag agtgcagatc   240

agtccatgaa tatgatctcc aaggggggatt tcgtccagtt gaagaaggtt gaggcagcga   300

tgaccgatta atagcacggg atgaagagga ggaagagggc atggaggcga tattgaagtg   360

gagctactac cctcttcact acagttcaaa gtgagacaag atgctcctcc acctatgtta   420

ctgggtcgct ttgatattcc accaatgt   448

<210>   7254
<211>   523
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084c01a1

<400>   7254

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tcttctcctc cttggagaag agttttgcct ttcaagcagc aagaaaggag gacacagaaa   120

gcaacaatct tcatcaatat actcatcttg ttcacctcag ctcactcctt ccttcatctt   180

cttgcagctc ttctaccaaa ggtcccaaaa caaaagcatc attagaagtg gcacacaaac   240

atgggccatg ctcccaacta aatgatcatg atggcaaagc taagtctaca acaccacaca   300

gtgacattct gaaccaagac aaagaaaggg tgaagtacat taactcaagg ctctctaaga   360

acttgggcca agatagtagt gttgaggaat tggactcagc taccctacca gccaaatctg   420

gtagccttat tgggtctgga aattactttg tggttgtggg tcttgggaca cccaagaggg   480

actcgtcact cattttttgac acttggcagg atctcacttg gac   523

<210>   7255
<211>   445
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084c01d1

<400>   7255

3233

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tatgtacaat tgcaagcaat cgcacagctt gagagtcata catatttcac ctcctccatt   120

cttttacaac attatattat atgttttcca acaattaatc actatttaat ttcccccaca   180

ttattggttt cccttttcta tttccactgt tacattatgt catgacaaca acaatagtaa   240

taatgaaagc ctagaaccaa ttaagattcc tttgtcccta actagcccaa agcatgttta   300

atcattaatc acttgcaccc accagcacca aacccaattc tcccacctcc aacatcatac   360

acaacctcta ttgttctctg tagtacgttc ccatatatag taacatcact atcgtcacca   420

tttgcggcaa aagccaaaca aacct                                         445
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<210>      7256
<211>      255
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220084c02a1

<400>      7256

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ggtgtaatat tcagtgaaga agtgagggtg aaggatggag tttgtagggt gagttttggt   120

gaccaggaag aggttagtag tggtaaagaa atgtatcttg caaagggact tggtgtagag   180

tgctgtggtg atggcatagg tggttgtaga ggtggtggtg gcaggtggtg gtgctcatac   240

ttccttgggg tttgg                                                    255
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<211>      424
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220084c02d1

<400>      7257

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cagctccttg atgagaatga ggcgagaaac tttgaggttc atagatacca tcctcgtctt   180

cctctgagtc ccaaaggaaa ctagcatatg ctgcttgtac atggctgtct tcaggagagg   240
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ctaggactgc tctttcaaaa tagctggagg cacgttctag gttgagaagt agttcccaaa   300

ctaacttccc atactgggat agaacctctc catcattagg gtctgcaagt atggcacggg   360

aataatactc ctctgctcct tcacgggctt ggttgcactg atacaaaaaa taggcataat   420

tcct   424

<210>   7258
<211>   506
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084c03a1

<400>   7258

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gtattcatga ccagatgata atgttggaag gtgctaaagc caccacagaa acggtagacg   180

cgttaagaac tggagcagct gctatgaagg ctatgcaaaa agcaacgaat attgatgatg   240

ttgacaagac tatggatgag atcaatgaac agactgagaa tatgaaacag attcaggatg   300

cattgtctgc tccaattggt gcggctgctg attttgacga ggatgaattg gaagcagaac   360

ttgaagaact gcagggtgct gagttggaag aacagcttct tcagccagca actacagctc   420

ctgcggcccc agtgcaggtc ccagctgggc agcaacctac ttcgccagtt cccgcaaagc   480

gaacttcgga agaagatgaa tggcag   506

<210>   7259
<211>   573
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084c03d1

<400>   7259

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ttaaactcaa ccacataaag tataagatag tcaaatgcat caatatactt gatacgtata   120

atggaaagga ggggttcgaa ctcatccaaa ataaaagtag tacgttttga agacttttat   180

gataattttt tttccacttt tatatacatc ctctggtcag ctcaataatt tcaaagataa   240

gcgagcagga gagaagcaga attctccacg taatagtggt tacaattctt cattgaagcc   300

atgcacaaaa aaaagcctgc aaaattctgc tcaaagtgcc atctcagcct gcaaagctgc   360

caattcatct tcttccggag ttcgctttgc gggaactggg cgagtaggtt gctgcccagc   420

tgggacctgc actggggccg caagagctgt agttgctggc tgaagaagct gttcttccaa   480

ctcagcaccc ttcagttctt caagttctgc ttccaattca tgctcgtcaa aatcagcagc   540

cgcaccaatt ggagcagaca atgcatactg aat   573

<210>   7260
<211>   552
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220084c04a1

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gaacaacatg cttctgacaa tgtaaacaag atacttgtgg gtaacaaggc tgatatggat   120

gaaagtaaaa gggctgtgcc tacctccaaa ggtcaagccc ttgctgatga gtatggtatc   180

aagttttttg aaaccagtgc gaagacaaac atgaatgtgg aggaggtttt cttttcaata   240

gcaagagata tcaagcaaag gcttgcagac acagattcta aggctgaacc tcagactatc   300

aagattaacc aacccgacca ggcagccacc gggggtctag ctgctcaaaa atcggcttgc   360

tgtggttcat gaaacaaata acagatcaga atctgcagtt agagggtgca gattcaacac   420

ttgccctcat atgggtgcta tagttatttt gatgacattt aaaagtggga gcatgtattt   480

gtccttgtat ttcccaactg caaagactat gttttgaaga tagtgcttta aattttttgc   540

ttanaaaaaa aa   552

<210>   7261
<211>   541
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084c04d1

<400>   7261

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acaaatacat gctcccactt ttaaatgtca tcaaaataac tatagcaccc atatgagggc  120

aagtgttgaa tctgcaccct ctaactgcag attctgatct gttatttgtt tcatgaacca  180

cagcaagccg atttttgagc agctagaccc ccggtggctg cctggtcggg ttggttaatc  240

ttgatagtct gaggttcagc cttagaatct gtgtctgcaa gcctttgctt gatatctctt  300

gctattgaaa agaaaacctc ctccacattc atgtttgtct tcgcactggt ttcaaaaaac  360

ttgataccat actcatcagc aagggcttga cctttggagg taggcacagc ccttttactt  420

tcatccatat cagccttgtt acccacaagt atcttgttta cattgtcaga agcatgttgt  480

tcaatgttgc gaatccaatt cctaatattg ttgaaagatg cttcatcagt aacatcataa  540

a                                                                  541


<210>      7262
<211>      527
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220084c05a1

<400>      7262

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caaatcttct ggaggattca gagattcctt ggatgataag tctaaggcta atctagtgca  120

aattaaagga cgattttcag tgacatcaga aaatttagat ctggtgaagg atattcctgt  180

aagttcagtt tcacgccgat cttcacaggg atcaccaatg aggaaatctg cgagtgttgg  240

tgattggatg gtggatttca aacaaatgca gtcttccaat gattctgcca atatcaatat  300

tcctgcatca cttctagtgc ctcatcttca caatcttttt cagcagacat ctattcaaca  360

ggatcttata atgaatctgt tgaatagctt gcaaactgcc gaggcaattg atacttctca  420

gaatggaaag ttaccaccat tacctcgcaa ttcagagaac aatggaagtg ctgatacagc  480

agtttcagag agggcaccac tactgctggg cagaatttca gaaactc                527


<210>      7263
<211>      403
<212>      DNA
<213>      Glycine max
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3237

<223>   Clone ID: jC-gmfl02220084c05d1

<400>   7263

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ggaggggtgg tatttctccc ccggggggagt ccccacaact tttttatcag gtttccccag   120

aatttgggat tggtccggaa acatagggga ttgcggtttg atacaaccga gaagcttatt   180

tacctctgaa tctttaaagg aaataaatta ggggattaac tttgaccgat cattattttg   240

gtcatttgcg ctaacggggc tttatatata gaacggccca aaagcttatt gaacccatgg   300

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gtggttctcc tcaaaaaaga gaaaaaattg gggttcaacc ttt   403

<210>   7264
<211>   78
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084c06a1

<400>   7264

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ccggttcgta tgcttaga   78

<210>   7265
<211>   270
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084c06d1

<400>   7265

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gcgtgtaaac caccgacgga aaggagaccc acacgattgc tcacacttac tcacacgagg   120

cgaggcaaaa catcagtgac aaggacaacc ttaataggcg atgaacactg tgagtgactc   180

cgcgtcaaca atgcgggtaa gtacgcgtgt aaattgtccc gatctacatt cccctgtaaa   240

tgatacttct acctgtcatc gagacatact   270

<210>   7266

<211>   58
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084c07a1

<400>   7266

ctcaccgagg gctcgttatg gctcagtagg ctgagtaaac tccggcgaac atgatgcc   58

<210>   7267
<211>   402
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084c07d1

<400>   7267

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gacgtaaaac atcttcctca cagagacact tagttcgcga cgaacggtca tagttactag   180

gcctaaagat tgtgagcaag tacacggcct tattaccctt atatacggtg cgcttgtcca   240

ggtaatcgta cctgacatgc ctgcccgcta ggtgaatttc gctgaccgcg atggggggct   300

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tgcaactgtc caggatgcca atggccctgc tagtgattcc ag   402

<210>   7268
<211>   429
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084c08a1

<400>   7268

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tctctgccgc tgaagaaaac aaagcaacaa cgaagcttcg aaagaagaaa gaagacgacg   120

tcgtttccga taaccgcttc aagctccaga acggaagaga ggtttttgaa gaaaaagcgt   180

acctcgtagg cgttgagcgc aagaacgaag ttcaagattt cggcatcgaa gagtctctga   240

gcgaatagtc gcagttagct gacactgctg gattataggt tgtaggctct acttaccaga   300

agcttacttc tccaaatcct aggacgtaca taggctctgg caaggtttct gaaattaaga 360

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aattgcgca 429

<210>   7269
<211>   522
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084c08d1

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gcactgccat cccaacgtgt cgaacatgat ttcaataatt acacatacat atgtacatgt 120

tatgctgcaa aattagatat attaaagaaa gttaaggttg cgatacgcac agttgcctca 180

tgggtgtaag cattcttgca aaacgcaggg gcacatgtgc cttgatatat gttccttgct 240

ctgtatattc agttttctca accattccaa cctggtgtat ggtgctgaga aggtccccat 300

tttcaaatgg gaccagagct tccacccaaa ccatggagtc ctttagcttg tcttgaactg 360

cattacaaaa ttcttgcaag ccattaccac ttaaagcaga tatgcataca acatcatctc 420

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caatcaattc tggaattggc gatacatcta gttctgacag ga 522

<210>   7270
<211>   92
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084c09a1

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tctctggctc tggagaatac cgggcgactt cc 92

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<212>   DNA
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<223>   Clone ID: jC-gmf102220084c09d1

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gcactgacat cccaacgtgt caaacatgac ctcaataatt acacatacat atgtacatgt   120

tctgctgcaa aagtaggtat accaaagaaa gtgaaagtgg cgatacacac aattgcctca   180

tgggtgtaag cattccagca aaacgcacgg gcacatgtgc ctggctaaac ggaccttgca   240

ctggctattc agctctgtta cccattccaa cctgatgtat ggcgctgaga aggatctcat   300

ttacaaaagg gaccatagct tccacccaaa ccatggagtc ctctagcttg actagaactg   360

cattgccaaa ttcttgcaag ccattaccac ttaaagcaga tttgcataca agatcaagtg   420

tttcttcagc tgctatcctg aatttctggg gatcactaac tatgtcaacc ttgttccaga   480

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<210>   7272
<211>   335
<212>   DNA
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<223>   Clone ID: jC-gmf102220084c10a1

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agccggtagc tgaggagaag aactgtggag tctcaatcgg acgaacctgc ctctctatct   120

gcgtctcgat ctgtgaacgt gaccttgcat aggaagatgc cgagtacatg tccaactcct   180

ccatcgagag gtccagcatg gcgccaaaag attcctgagc ccgggatgac cccagcactg   240

gtgaggctca aagatcctta catggccgtt gggatcccat ctatgctcta ctggaaggta   300

ctcccggcag gaaatgcata tccaagttct atagc   335

<210>   7273
<211>   508
<212>   DNA
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cattctaaga ataccaccag ggatgaaacg cattattgct ggaagtctac caatggggta   180

acaaatacaa agccatatgc caacattgac aatactgaaa cggagatttt aacaggcctg   240

tgatcactgg acggcatggt aacatgactc tgacctacca ggcgggctac agtgaggcac   300

ttaaggcaca ggactcacaa acgagacttt tcaggctatt aatacacttc atatgacatt   360

tcctccacat gtgtgcaatc ttcaattcaa cttaactacc tgaataagcc ttactttcac   420

tgtacggaga aagggcactg gcatcatggc tagtgcaact gctgtcctca ttgaatctca   480

taacggaaaa tggtatggtt gaatcaaa   508

<210>   7274
<211>   341
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084c11a1

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atatagaaga taatgagaga atggaacagt cctcactaga agcgaaggaa cttcaagctg   180

ccttcgtctc atttaagaca cgattaggtg ctgcaatagc tttacacatt catgaaagag   240

tcaatcccac ggaatggatt actgagaaag ctcctgagcc tcatgaagtt tataggcctt   300

tctttaccgt ttcatttatt aaaagatgga tcagcaagct g   341

<210>   7275
<211>   533
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084c11d1

<400>   7275

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tttccacact cgttacaaac acattatcaa ttctaacaat ttacaagaaa acaacagaca   120

3242

tgcttcatca aggacaacca aatcagtgcg gtcaaagtga aaatacattg ccttatatac   180

agttgcagcc aaggccatac aaatgtagct atgaactatt cagaactatg aagaagtgga   240

gatctgtgac tatcagacct ttcagaatat ttcactcgca tcagagctgg atcattgtat   300

gcattggcca acttgtcata aaattcagac atattatgct cgttttggtc tgctctgtcc   360

ttcttaatca aacactcagc agaataattc ttgaatatag ggaagaaccg tttctggcaa   420

tactcattga atagaagtgt gagaattgga agaggaagaa tcaatatgga tgctagagga   480

agcttcttta aaccaaaaag accaatggct attatatgca tcagtatcaa tga   533

<210>   7276
<211>   436
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084c12a1

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attcatcgat cgatcgatgg ctcttgtagg agttgaactg aagcatgcgg cggagggcgt   120

accggatgcg aattgctccg ccaagcccac caagcagggc gagggcctcc gccactacta   180

ttctctcaac atccacgagc atcagctcct tcttcgccaa aagactcata acctcaaccg   240

tctcgaggct cagagaaacg acctcaattc tagggagagg atgctgcgcg aagaattaca   300

gcttctgcag gaacccggct cttatgtcag agaagttgtc aaagtaatgg caagaacaa   360

agtccttgtc aaggtccacc cagaaggaaa atatgttgca gacattgaca aaaatataga   420

cattacaaag attact   436

<210>   7277
<211>   477
<212>   DNA
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<223>   Clone ID: jC-gmfl02220084c12d1

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agacaaggaa gaactcgagg aaagaatcat gattgggtaa agttaagcaa aacgaaagcc   120

aatgccactg taaattgaaa taaccctaat gtgtgttctc tgcccatctt cgcaggacaa   180

tgtgcaccac aaacatgaaa tgagaatcac ttccacaact tccgcaatga catgtttttt   240

tcagtctcct ttttcatcac cttcgccacg gccatctcaa aatcctcctg agtcacgtgt   300

accctccgct ccctcaaagc aaacattcca gcttcagtgc aaacagcctt aagttcagca   360

ccagatgctc cattcatctt ctcggcaatc ttcttcaaat caatgccacg cattaaattc   420

attcttctag aatggatttt caaaatatcc agccgagact ctttattagg gtttgga   477

<210>   7278
<211>   217
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084d01a1

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ggtgtaatat tcagtgaaga agtgagggtg aaggatggag tttgtagggt gagttttggt   120

gaccaggaag aggttagtag tggtaaagaa atgtatcttg caaagggact tggtgtagag   180

tgctgtggtg atggcatagg tggttgtaga ggtggtg   217

<210>   7279
<211>   466
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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ttcatcacca attcaagcac ctgcagtagc cacagctcct tgatgagaat gaggcgagaa   180

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tgctgcttgt acatggctgt cttcaggaga ggctaggact gctctttcaa aatagctgga   300

ggcacgttct aggttgagat gtagttccca aactaacttc ccatactgag atagaacctc   360

tccatcatta gggtctgcaa gtatggcacg ggaataatac tcctctgctc cttcacggnc   420

3244

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gaccaggaag aggttagtag tggtaaagaa atgtatcttg caaagggact tggtgtagag   180

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tttgtacgta taaaaacttc atcaccaatt caagcacctg cagtagccac agctccttga   180

tgagaatgag gcgagaaact ttgaggttca ttgataccat cctcgtcttc ctctgagtcc   240

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tgtttgggtt atttgccaac ttcatggtgt atttgacaag agaatttcac ttggaccaag   180

tttatgcttc taacattatc agtttatggt ttgggatctc aaactttacc cctcttcttg   240

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gtaccctttc gggtttgatc gtggtgagtt taacatcgtg gttaccagaa ttgcaccctc   360

catcttgtac tcctcagcaa ctagcatctc gtcaatgcgt aagagcaagc agttctcaaa   420

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gcagcata   488

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tccagagcgc tacctgcaga ggctcgtcaa ggaggtccac atttccctag ctccgactta   180

atcagggcca tattttgcca aaactacgtt gggggaagtt aacccagcta ttaggcatta   240

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<223>   Clone ID: jC-gmf102220084d04a1

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aggtgaaaaa tgtcatgtaa ctgatgtttc aaatcctgct ttaagttacc aagggactat   240

agagccatct gtatttaaag aaacgcctga ttcggggaaa acagatatgc aacttgagag   300

tcagatattt agtgacaaag tagaaagtat aaacaaatct gctgctgctg acatgccaga   360

gcctgaaaag ttgctctcag cttaccagca tgatggtgaa gcaaatcatt tgctgatggc   420

atctactcct gacaatcagg gtgcaactga aggccataca ggtgcggcag gagtaaaatg   480

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ttactaggag ggatgccatt gaccgggata caaattaacc tctgcaaatt ctggaacggg   180

accttttaca aaaatatgca catttggacc cggaataacc cctaggatga attttatccc   240

gggggcattc taaaacctca aattgagcag accaacccta tttccagaaa attcgaaatg   300

aaaaggccta tctggctaaa attggggaga acggatggaa acattatgcg ctgcctggag   360

atcccaacca   370

<210>   7286
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220084d05a1

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3247

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agtggggcaa aagatcattg acaaggacaa ccttaatagg ggatgaacat tgtgagtgac  180

tccgcgtcag caatgcgggt aactacgcgt gtaaatgggc ccgatctaca ttcccctgta  240

aagggtactt ctacctgacg tcgggacata ctagatcaca tctggtgacc acaaaatgct  300

ggagacgatg accaaagcat tgcatatgtc gcattgtaaa atatgagctg tcaagattcc  360

taaaaccacg aatccgacta gctattacgg gataggggttg cgaacagctt cagggttacc  420

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<213>      Glycine max

<223>      Clone ID: jC-gmfl02220084d06a1

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cccgatcgca cgccaagcta tgatcgtcag cctgacacgt cctgcgagtc ggcactgatc  180

ttcctggcag aacctctccg gacgtctctg actgtaccat gaggttcgcg cagggcgacc  240

atcaccgcca ccacgaccag taccaccact aggcgtaggt gtccgggtcc gtcgacacct  300

ttcgggcgca gatcgccgcg gatcgcgtcg agcgattctg cgtcaagcac gagccggctg  360

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3248

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gggtggggca aaacatcatc gacaaggaga acctaaagag gcgatgaacg ctctgagtga   180

ctccgccgta acaatgcggg taagtacgcg tgtaaatagt cccgatctac attggcctgt   240

taagcgtact tctacctgtc atagggacat actaggtcac ttccggtgac cacaaaatga   300

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<223>   Clone ID: jC-gmfl02220084d07a1

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ccgatcgcac gccacacaaa gatcgtcaac tcccacgtcc tctgctgcgg ctccgatctt   180

cctcgcagga cctctccgga cctatccgac ggtaccatag atctccgagc aaagcgacct   240

tcaccgccac caccaccact accaccacca ggcgcagctg accgggtcca tcaacacctc   300

tcggccgcag atcaccgcgg atcacgtcga gccattc   337

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3249

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tggtgaggga atacatcatc aacaaggaga acctaagtag gccatgaaca ttctgagtga 180

ctacgcctca acaatgtggg taactacgcg tgtaaatggt ctttatctac attcccgtct 240

aatagctact tctacctgtc atagggacat tctagatcat ttccagtgac ctcaaaatgc 300

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ccggtgccga tgc 73

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tgctgaggta aaacatcata gacaaggaca aactaaacag gcgatgaacg ctgtgagtta 180

attggcgtca acaatgcagc taactacgcg tggaaatact cttgatctac attcccctgt 240

acagggtact tatacctgtc atagagacat accaggtcac ttctagcgac cacgaaatga 300

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gcttcttgaa ttatggatct taccttgcgt ggagagatgt cctggacatg ctcaagtcca   180

cttcagagtg gtccggcgtg gagccagaag attcatgacc tcgggatgtg cccagaactg   240

gtgaggcaag acgattctaa catggctgtt ggggtcccat ctttgcacta ctgggaggaa   300

ctaccgggag gagaggcaga ttcaacttgt ata   333

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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084d09d1

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gttgaaatcg cttctcatgc ctggaagcaa aatgcacata aatatgatca aatacatata   120

tcattctaat aatatttcca gggataaaat gcattattgc tggaagtcaa ccaatgtggt   180

aacaaataca gattcaaatg tcaacactga caatactgaa acggagattt aacaggcat   240

gtgatcactg gacggcatgg taacatgact cggacaaaac aggcgggcta aagtgaggca   300

cttagcacac agaactcaca attgagactt tttctgttct ctgtctacac ttgatatgac   360

atttcctcca catgtgtgca atcttcaatt caacttaact acctgaataa gccttccttt   420

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gccatggaga ttcataactc agctcgaagc agcattggtc cacctgtgag cattggcgtt   120

ctgcttgctg taccttcctg agttgccaaa gatagaccat cagtacatgt gtaaccatag   180

tact   184

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<223>   Clone ID: jC-gmfl02220084d10d1

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atacatacag tatatataca gagtacatat atccttcaca tcataagtct ctctagagta   180

cagccttgtt tgaggttccc ctttatgaga cagcttatga tacaaaagcg tgaacagaag   240

tactatggtt acacagattc tgctggtcta tccttggcta cagacgaagg ttcagcatgc   300

agatcgccaa tgctcacagg tggaccaatg ctgcatcgag ctgtgttatg tatctacatg   360

gcatatgaca ttttctgaaa ctgagatctt caaatgaacc attagctgat catgaaatta   420

cctt   424

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aacccaaaaa accaaaaata aaataaaata tgaaagagaa agtactagga tccactgttt   180

ctcttatcct agtggagggt gtcgtaattg gcgtggttgc tgtagttcaa agtccaaagg   240

gcgtcaacaa cagcaatgga agagaagtga aaagcaccaa cagggcagtg acagcgttgc   300

gccaaagctc agacgacaag aaactgtgcc acgaagttct gtcctcttca aacagcacag   360

acccaaagga atacatcgca accgaggaga gaagctcgat ggacatgagc atcaaagcat 420

tgaatatgag cgacaggctg acggtggaac acggcaacag cagcgcc 467

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<223>   Clone ID: jC-gmfl02220084d11d1

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aaaatgaaaa gctattcaac gattacaaat cacatcctca aaccagttgc agggatcgat 180

tagctatgtc actgcattga aattaggtag cagtttaatt cccggctctt gagtccatat 240

taacgtaggc taaaaggaga ttttaccgct caacatgccc atgcaaatta ac 292

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attataaaat tcctttagga gatgcaaaag catgggtaca taggagagtt cgagtacgtt 180

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gttattagtc cgcgttttga tgttggtgtc aaagagatag aaggttggac tgctaggctg 300

ctcccctcaa gacagttagg gtatattggg ttgactacct cagctggcat catggatcat 360

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<223>   Clone ID: jC-gmfl02220084d12d1

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tacaaccggt gagtttcaag aactgaaatc agagcaaaat cttcaaagga aactaattaa   180

actagtaaaa gaaacccagc actttcccac caacattctt tctcctagct tcttcatgat   240

ccatgatgcc agctgaggta gtcaacacaa tatacccaaa ctgtcttgag gggagcagcc   300

tagcagtcca accttcaatc tctttgacac caacatcaaa acgcggacta ataaccccac   360

atttgttcag tctaccattc aattcaacaa caatttttcc agctctgtga tcatcaacgt   420

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tattgtgcat aaaatcaaat tcaaggacac ctcctacaga tagaattatt caaagagata   180

cacttgatca tatcctttcc cagccgttcc accaaaagta ggtttgtaat tgtagatgag   240

attatctcgc actttttgag catcaagaga gttagaggat ttcctagctt cacttatgaa   300

aaagttagct gaggactgag taacccgaat tgcatcctct gagagaaggg ctttcaaaga   360

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cctaccacga gctgaggaaa cgaaagtctt t   451

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atagcttttc tacttgggct aataacattt gtacatgtta ttttgtgtaa tgaatttcca   180

gatggcttat tgat   194

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gcattaatgt atggcaaaaa cagtgtgtta gcaactgcac aagttgttga ttctttctg   180

3255

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cacccacgaa cccatcccat gaatttccca aaatgccctc aacccagaac ccctcttct   180

ccttactcct acattccacc ccaccgtacc caactgcacc ctcgcatgat ctccctctac  240

tcttcttctt cttcttccct aaaatatcca aatcccaaca acaaacccca caacgccaaa  300

tgcctcttgt tcttcttcgc cctcctcttc ttcaccgacc ccttcctctt ctacctcttc  360

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gccctcgccc tacgcgccgg cccccacgcc ctacgtctc                         459


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gacaccgggg gacttaaata cccgggaaaa tttaatccac taccaaattt cccataccca  120

tttaattcct ccccctata gattccaaat atcaaggaaa cagccaaata ttaggggca  180

atctttacaa actccaaaaa agggcccttt cactggaatt tgccacgaaa aattcaatgg  240

cgccctgggg cttaaacctt cttttgaaat gttctggaag aacctgaaaa gcccattaac  300

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cgagtatcct agccctccgc cagactatac atcctgttcg gcagactagt acagcgttgc   120

tcggatggaa gacagtgaca gacacactcc gcgcacagac tctgtgtacc cacagtatta   180

attggctaaa gagaggacta tatctggaga tgcatactat ggctctcaca tgatgcacta   240

tggcgatgcc aggcttagca gcgatgctct cttccattat ccgggtacag atactgctaa   300

cgataatttc actcctgtgg atgaatactg cttatggtca ccttgcaagc cagtcagcca   360

acgtgatgct gatctcatcc atttc                                        385


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<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220084e04d1

<400>    7309

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aatacgagtt gacattgata ttcaacctta ctactggcat gaaaactacc gtcggaattg   120

tgatccaaac gagaccaggg aataaccgat ccgccagggg gccaatgaat aaaaacacgg   180

ataatattac tatgggatga actccatgcc ttgctatgcg tgaatattcc aaataaatag   240

gccccttaat gcccccataa tccttatgcc ggaaatggct ccatctactg gacataggga   300

cagcctagtt caaaattggt gactacaaag g                                  331


<210>    7310
<211>    81
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220084e05a1

<400>    7310
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cgggttcata tgcttagtgc a   81

<210>   7311
<211>   287
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084e05d1

<400>   7311

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cttataaacc accgacggaa aggagaacaa aacgattgct gttacttact cacacggagt   120

gaggcaaatc atcatcgaca aggacaaact aaataggcga tgaacattct gagtgactag   180

gcgtcagcaa tgcgggtaac tacgtgtgca aatagtcccg aactacattc ccctgttaaa   240

ggtacttcta cctgacgtgg ggacattcca ggtcacaccc ggtgacc   287

<210>   7312
<211>   73
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084e06a1

<400>   7312

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cgggtgcgca tgc   73

<210>   7313
<211>   120
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084e06d1

<400>   7313

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catgcgagta aaccaccgac ggaaaggaga cccacactat tgctgtcact tacccacacg   120

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<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmf102220084e07a1

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cctcttgatg cacaaactcc ttcctctaag gcacagctnt gcaaggagtg caactctatg   180

ggggtcacac tcgtccatgg agaacttgag cgtgaccaga ttctggcagt gagtaaacaa   240

gtagacattg agatatgcta tcttccatac cctcaagtga cggagcaact caaaaccata   300

gatgctatga aagctgctgg taatataaag agattccttg catcagatgt cggggaggaa   360

gataatcgag tgaaccctct tcctccgttc caagctgtac tcgatgagaa aagacaaatg   420

agaagggcaa ttgaagcagc tgggatccct tatacc                             456


<210>       7315
<211>       354
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmf102220084e07d1

<400>       7315

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tgcaggggaa aatgtcttca ctcaaaagca gcataggcag gggctggagg atcaacatga   180

aatagttgca agaagttcat caatggacgt gtagttataa tcaggatata cctgcgaagc   240

ttcaaggtca tcttccctaa cttggaacct cacaaggccc cttttagcaa ttccacattg   300

atggttcaaa ccgcaatatt gtgcggaggg ggcaaggtct gtgataagct gtca          354


<210>       7316
<211>       72
<212>       DNA
<213>       Glycine max
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<223>   Clone ID: jC-gmfl02220084e08a1

<400>   7316

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cggatgccga tg   72

<210>   7317
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084e08d1

<400>   7317

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catgcgcata aaccaccgac ggaaaggaga cctacactat ttctgtcact tacgcacacg   120

tgctgaggaa aatggccata gacaaggaca acctaaacag gggatgaacg ctgagactga   180

atcagcgtca gcaatgcagc taagtacgcg tgcaaatact ccagatctac attcgcctct   240

acaaggtact tatacctgac ctagagccat accaggtcac ttctagcaac cacgatatga   300

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caaacaccaa gggcgcgaca gctaaaaggg ctaccactgc   400

<210>   7318
<211>   76
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084e09a1

<400>   7318

ctcacatcgg cccgactagg ggtcagcagg accactcaac actggagaac cgtgtacaag   60

ccgatggcca tgcaga   76

<210>   7319
<211>   256
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084e09d1

<400>   7319

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cgtgcgcata aacaaccgtc ggacatgaga cctagacgat tgctgttact tacgcacacg   120

tactgacgac aatggacata gacaaggata aattaaatag gctatggacg ctgagagtta   180

attggcgtca gaaatgcagc taattacgcg tgcaaatact ctagatctac attcgcctgt   240

acagggtact tatacc   256

<210>   7320
<211>   430
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084e10a1

<400>   7320

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ctccttcttc tttttttttt tttggaggct ggcatgtgtt cttcttttac ttcttcttct   120

tcttccaatc cttaaggaaa aaaactaaag aaaaaaaaga gagccatgtc aggctcgtat   180

aatcccaact tatgtcctgc tagagcaact tctcctcaga ttaggagcaa tccagaagtg   240

gacagtcagt acctatcaga gtagctagca gaacatcaga agcttggacc cttcatgcaa   300

gagcttccca tatagcagcc gactcctaaa tcaagaaata ttaagggttt ctagaatgca   360

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ttcttcaaac   430

<210>   7321
<211>   482
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084e10d1

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catttgttct ttaatggtac atggtaagaa gtttatctgg catgcatcat tccaactaca   120

gtgcatagtc ctccgaagag aatacaaatg cctgtgacaa acaactaaaa agaatccagc   180

3261

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ctatgctaac ttataataaa tattaaaata ccatgagact ttgacaatgt cacatgccaa    240

taaacactgc attgacatag gacctaaaac tttattacca ccaaccatca tatgtatata    300

ttccacactt ctcaaaaagt aactgacgca tgaataaatc caatgaatgt attaagtttg    360

caagggagaa aaaaaaaggg ttggtttgaa caaacctatt ctcaataccc caactatata    420

attgctctct tttaaaaatt cttcattcca gctttgcctc ctgtctgttc aaaaagaaaa    480

ag                                                                    482
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<210>      7322
<211>      488
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220084e11a1

<400>      7322

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caaagtttaa gtaatcatgg gtaaggaaaa ggttcacatc aacattgtcg tcattggaca    120

tgtcgactct gggaagtcaa ctaccactgg tcactagatc tacaagcttg gaggtattga    180

caagcgtgtg attgagaggt tcgagaagga agctgccgag atgaacaaga agtcattcaa    240

gtatgcctgg gtgctcgaca agctcaaagc tgagcgtgaa agaggaatta ccattgatat    300

tgctttgagg aagttagaaa ccaccaagta ctactgcacg gtcattgatg ctcctggaca    360

tcgagacttt atcaagaaca tgattactgg tacctnccag gccgactgag ctagccttat    420

tatagactcc accactggag gntnagaagc tggtatttct aaagatggac agacccgaga    480

gcatgctc                                                             488
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<210>      7323
<211>      563
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220084e11d1

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gcaaaggaaa tggactaaaa ccctatggct gcttgtgaat ttgaaaatct cagactttta    120
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ccatcaaaac aaaaaacagt actcatcaaa aacaaacagc aacgaaaatg ttaccgccga   180

tcaagaaccc agttttgaag gctacggcta catgaaatcg gcggacactt caaaatataa   240

ctggtaaaac aaacacctaa gactctgcaa agataaacta ctgtaaagga acaagttttt   300

ttgaaaccac gttgatgatc acatgtgcta gcaaaattgc caaaatgcaa tcacttcttc   360

ttggcggcag cctttgtgac cttggctccg gtggggtctt tcttctcaac actcttgatg   420

actccaacag ctacggtctg acgcatgtcc ctcacagcaa aacgaccaag gggaggatac   480

tcagagaaag tttcaaccac catgggcttg gctggaacca tcttaaccat accagcatca   540

ccattcttca aaaattgggc tct   563

<210>   7324
<211>   312
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084e12a1

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gtacaatgct gagaaacggg ggaagcgcca ggtcatgatt aggccatcct caaaagtgat   120

gataaaattc cttttggtga tgcaaatgca tgggtacatt ggagagttag agtacgtgga   180

tgatcacaga gctggaaaaa ttgttgttga attgaatggt tgactgaaca aatgtggggg   240

tattagtgcg agttttgatg gcggtgtcat agagatagaa ggtgggactg ctaggctgct   300

gccctgaaga ca   312

<210>   7325
<211>   478
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084e12d1

<400>   7325

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agaaaaacat gtcctgctaa tgctatactt gataaactac gggtctaaca cattgatcat   120

tacaaccggt gagtttcaag aactgaaatc agagcaaaat cttcaaagga aactaattaa   180

3263

actagtaaaa gaaacccagc actttcccac caacattctt tctcctagct tcttcatgat   240

ccatgatgcc agctgaggta gtcaacacaa tatacccaaa ctgtcttgag gggagcagcc   300

tatcagtcca accttcaatc tctttgacac caacatcaaa acgcggacta ataaccccac   360

atttgttcag tctaccattc aattcaacaa caattttcc agctctgtga tcatcaacgt   420

actgaaactc tccaatgtac ccatgctttt gcatcaccaa aaggaatttt ataatcac   478

<210>   7326
<211>   559
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084f01a1

<400>   7326

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aagccgaaga ggaggacaac ctgctgaacg ccgagcacca cttcgcgagc ttcaaggcca   180

agttcgccaa gacctacgcc accaaggagg agcacgatca tcgcttcggc gtcttcaagt   240

ccaacctccg cagagccagg ctgcacgcca agctcgaccc ctccgccgtc cacggcgtca   300

ccaaattctc cgatctaact ccggccgagt tccgccgcca gttcctcggc ctcaagccgc   360

tccgcttccc ggcgcacgcc cagaaggcgc ccatcctccc cacaaggatc tccccaggat   420

ttcgattggc gagacaaagg agccgtcact aacgtcaagg accaacgtgc gtgtggttcg   480

tgttggtctt tcagtacgac gggagcgttg gaaagagctc attatctggc cactggtgag   540

ctcgtgagcc ttagcgagc   559

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<211>   426
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084f01d1

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accacatcca taagaaccaa cattgacagt ggcacgtata ttagtttaat tatgcaataa   120

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ctgagacata atcagtggca agtattcccc tgttgcagtt tgaaacaacc ccaccccgcc    180

aatctccata gagagttgct tatcttgcac cattttttagg accacacatt tccttggatt    240

tcccacttgt atatgtcaag catacataca gaaattacat actacataaa caacatggtc    300

ttagcagttt cctgatccta tacggagata attttaccag taccaaatga taaagttcac    360

aacataaata tttatacaaa ctccccttag tccagtatca catcacaacc acaatcaggc    420

atatct                                                                426
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<210> 7328
<211> 433
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220084f02a1

<400> 7328

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gaagaaagaa cagaaatcaa gtaaatctaa gaagaaatgg tttgggaagc aaaaattgga    120

gacttcagtc tcatactcag aagctcataa agcaccacca ccaccgcgac ctattcctcc    180

accagaagcg attaaattaa ctgatattga aaatgaaatc agtcatgatc acgactatgt    240

tgttgaagtt gcaactgcca tggatgccga ggaacctgtt cctgctgttc agatagaacc    300

tgttagggtt gaagctgccc caattgctca ttatgctggt aaaccaaagg atgaagtggc    360

agctatcaaa attcaaacag cttttcgtgg atacttggca agaagagcat tgcgggcttt    420

aagggggctg gtc                                                        433
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<210> 7329
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<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220084f02d1

<400> 7329

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ttccatcctt ttacttggat gatcaactgt ccacaccctt ggccacaggt aactctgcat    120

ttaagctgct gctttctacc ttagggggac ccgaatgggg ccttggcctg gcaggggaag    180
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ctgggaaaga aagccggttc ttcggactcc caaaggaacc tttctctggt tttccatttt   240

ctggggc   247

<210>   7330
<211>   498
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084f03a1

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aaccctaact gctctcacca ctctctttgc tttttttcct ctccgatcaa cgacctcttt   120

cgtcgcccta agtcatggca ggacttgcac ccgagggatc acagtttgat gctcgtcaat   180

atgataccaa gatgaatgag ttgcttacat ctgatggaca ggattttttc acatcttatg   240

atgaggttta tgacagtttt gatgctatgg gcttgcagga gaatctcctg agaggcattt   300.

atgcatatgg ttttgagaag ccatcagcta ttcagcagag aggaatagtt cctttctgca   360

agggacttga tgttatacaa caggcccagt ctggaactgg gaagacagca actttctgct   420

ctggaattct gcagcaactt gactatagtg cgactgaatg ccaagccttg gttttagcac   480

caactaggga gcttgctc   498

<210>   7331
<211>   515
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084f03d1

<400>   7331

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aatgtgactc cacattgcaa gtactcatca cttgggacat tcagacgact catatgtaaa   120

ttaaattact acacctatta agaaggtcaa acaaggttta agagcagaaa tacaacaaaa   180

ggggcaaaat ggaacaagag acattacata cacttacct cagaaaccaa ctttcctcta   240

atatgatgga acaaaaaaac tcatcaaagg agttcagcaa catttgaagg cagctcctca   300

ataatcacat tgtaaaactt ctggatgtca aacagcattt tttcatcatc ccttgtgaca   360

3266

aagttaatgg caacaccttt cctaccaaac cttccactac gaccaatacg atggagatag   420

ctctcgggct gtgttgggag atcataattt ataactagag acacttgctg gacatcaata   480

ccacgggcca aaagatcagt agttattaaa acacg   515

<210>   7332
<211>   308
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084f04a1

<400>   7332

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cggatcgaat gccaccggac catcatcgtc tcacatttgc tgtaatgcaa cttgatgact   180

gccgtaccct tgctgactac aacattcaga aggagcgtac tcttcagctc atgctacgtc   240

tccgcggcgg catgcaggat atcgctaata cactcaccgg cacgaccatg accctccaag   300

tcgaaagc   308

<210>   7333
<211>   407
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084f04d1

<400>   7333

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tcggcggccg cccttttttt tttttttttt tattgtcatt cattttcttt tatgaatgat   120

aagaatgcac actgagatgc tatctgacta cgtacgcgta agccaccgac ggaaaggaga   180

accaatcgat tgcaaaaact gacgcagccg gagcgaggta ccacatcata gcgcagggac   240

aaactggata ggccattgcc actgttcatg acatggcgtc atgaatgcgc ctgattccgc   300

gtgtaaattg tccctaacta cggtgccctg ctagaggtag gtataccaga cctaaagaca   360

tcctagatca ctgctggcaa ccacaaaagg ctgtggacaa tgaccaa   407

3267

<210> 7334
<211> 80
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220084f05a1

<400> 7334

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ccggttcaca tgcttagagc   80

<210> 7335
<211> 357
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220084f05d1

<400> 7335

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cttgctcata aaccaccgac ggaaaggaga cccaaactat tgctgtctct tactcacacg   120

tagtgaggca atttatcacc gccacggaga acatttacag gggataaaca ctgcgactta   180

ctcagcgtca gggatgcggc taattacgct tggaaatagg ccctgtctac aatggcctgt   240

tatgggtact tatacctgtc gtcgagacag accagatcac ttctggtgac cagaacatgc   300

tttggacgat caccctatca gtgcagataa cgtatgtaaa cacatgagct gtcaaga   357

<210> 7336
<211> 72
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220084f06a1

<400> 7336

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cgggtgcgca tg   72

<210> 7337
<211> 401
<212> DNA
<213> Glycine max

<223>   Clone ID: jC-gmf102220084f06d1

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catgcgcgta aaccaccgtc ggaaaggaga cctactctat tgctgtctct tactcacacg   120

tgctggggaa aatgatcaca gtcaaggaca acctaaacag gggatgaacg ctgagactga   180

ctcagcgtca gcaatgcgcc taagtacgcg tggaaatagt cccgatctac attcgcctct   240

tcaaggtact tatacctgac atagagacat accaggtcac ttctagcgac cacaatatgc   300

tggagacgat cacccataca gtgcagatga cgcatggtaa aacatgagct gtcaagagtc   360

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<210>   7338
<211>   75
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220084f07a1

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cggatttgca tgcat   75

<210>   7339
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<213>   Glycine max

<223>   Clone ID: jC-gmf102220084f07d1

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tcaaccacat aacggataag atagccaaat gcatcaatat actcgatccg cataatggaa   120

aggaggtcta tgaccgtctc ttactcatac gtagtacgtt tagaagactt tgacgatgat   180

attttttgca ctttaatata catgctctgg acagctcact aatttcacag ctatgcgagc   240

ctgagagaag cccagttctc cacgtaatag tggttgcaat tcttcattga agccatgcac   300

aaccaaaagc ctgctaaatt ctgctcaaag tgccatgtca gcctgcatag ctgccaattc   360

atcttcttcc ggagttcgct ctgcgggaac tgggcgagta ggttgctgcc cagctgggac   420

ctgcactggg gccgaaggag ctgcagttgc tgg   453

<210>   7340
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084f08d1

<400>   7340

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tacgaaggca aatggtcaat gacaaggata taattggaat gctataaacg ctgcgactta   180

atcagcgcca acaatgcgcc tatttacgcg tgcaaatact ccagatctac atgctcctgt   240

tagagaatac ttaaacctc   259

<210>   7341
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084f09d1

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acggacgaaa attgccagtg gcacggataa aattaaaatg ctacaatcgc tgcgacttaa   180

tcagcgtcaa gaatgcgcct atcgacgggt gcaaatactc cagatctaca atcgccagtt   240

ataggtactt atacctgacc tctatacaga ccagacaatt tc   282

<210>   7342
<211>   483
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084f10a1

<400>   7342

3270

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ggttctatgt ggtctacgat atgctctttc agcgcatcat ggcgagtcat ttgcacaacc 180

ccatgcctct ccctcccgtc aacgacctca cctgcattgt caccggctcc accagcggca 240

ttggcctcga aatcgcaagg caagttagca cagtctgggg cccatgttgt tatggctgtc 300

aggtacacaa aagctggtca agtgttgatc cagtagtggc aagttgactc tgaaagatag 360

agtattcctc tcaatgttga agagatgcaa gtagatcttc tctcatagga ttctgtcacg 420

aggttagctg aagcatggaa tgcacgctca gcacccttac ataggctcat caataatgct 480

ggg   483

<210>   7343
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084f10d1

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gcttactaat ttaattctta cttctatggt gacatttaag gtcaaagctg gctaaattct 180

cccattagga ggagcaggtg gcatttgagt acataaatat gatcaaaatg gatatacata 240

tcatgtttaa aaaaatataa aagggttctt ctcccacata ttcagaatga aaatgctcat 300

tactagctat aaataatgga agtgccctta cagattaagg gagatattgt atattagatt 360

actggtcttg tccataacgg gatttaactt tttccacatc taaaagcc   408

<210>   7344
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084f11a1

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gtgagacgtt gttgaactcg ttgccgttaa cgaccctttc attaccaccg attacatgac    180

atacatgttg aaatacgact gagttcacag acactggaag catcacgaag tcaccgttaa    240

ggtcgagaag tcccttctct tcggagacat ggctgtcact gatgtaggac actgaaaccc    300

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caccga                                                               366
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ataaaacacg aatctttgct tcaaagcaaa aaaggaaggg gggttcaaac actctggacc     60

catggcttaa aaatggaggg aaaatggctg ctatcagaat caatccagcc cgagtacatc    120

tgcaagtctt taagaaccca caaaactcca tccgctaccc acaataggca acccaaaaga    180

gcttactgct cgtaccaggg ttacaacact ggttccggaa accgatgtat tcatactctc    240

caattactgc gcgagcatga ccctctgtcg cagctcgacc atcacataat gctcgaacca    300

ccttaaatga aaagacttct tggcca                                         326
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aagaaattct aattaaaaag caaagtccga tatctttcta actatatata tatatatagg     60

cgacaccaac ctttctgcct ctatacctta atatttcaaa tacccagagg gagtaacccc    120

tccaagcttc aattatctac attatccaca ttcctagcta gctttatcca catctacaaa    180

atagtcctta gatttccctc tctctttctt ttgtataact gagtcatctt agatctcctt    240

tcacttcctt caaacaacaa aatcatgggt ctgagagaca ttggtgcttc actgcctcct    300
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gagtttcggt tttatccgag agatgaggaa taggtctgcc attacctcta caaaaagatc    360

gcaaatgagg aagttctgaa aggtaccttg gtcgaaatag acctccacat atgcgaacct    420

tggcaact                                                             428


<210>      7347
<211>      493
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220084f12d1

<400>      7347

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acttgaacat tataccacac aaacttgtaa gaactaatcc caatatctat catgtgactt    180

gcctcacata acgaaacacc ataaatgcac cacaaataaa cgaatcttga tggcataatt    240

tacgagatat gaaccacata tatgtgtata tatgtacaca cataacacat ctttaattat    300

agcaatacca tattattgtt attattatca acctcgaatc ttattgcgtc caagtttgaa    360

gccacgccat cctctaggct attttcggtt agatccatgt cccataagaa accatatccg    420

tcatcacctt tggcaccaat ttgagtaaga aaggtattgt tggtgttggt ttcgcgagag    480

aagtggagga gat                                                       493


<210>      7348
<211>      555
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220084g01a1

<400>      7348

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cttcaagaag cctcgtcgtc cgtacgagaa ggagcgtttg acgccgagt tgaagctggt    120

cggtgagtac ggacttcgct gcaagaggga gttgtggagg gttcagtacg ctctcagccg    180

catccgtaac aacgccagaa atcttttgac cctcgacgag aagaacccgc gccgtatctt    240
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cgagggagaa gcccttctcc gaagaatgtt ccgttacgga cttctcgatg agactcagaa   300

caagcttgat tacgtgttgg ctctcaccgt cgagaacttt ctcgaacgcc gcctccaaac   360

cctcgttttc aagtctggca tggccaagtc catccaccac gccagagtcc tcatcaggca   420

gaggcacatc agggttggga gacaggtggt gaacatccca tcattcatgg ntagggttga   480

ttcgcagaag cacattgact tctcacttgc cagtccactt ggtggtggtc gtccagacgt   540

gtgaagagaa agaac   555

<210>   7349
<211>   432
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084g01d1

<400>   7349

agaaagaaca gttcaaaacc atgatatctc aagcacagct ttacctcaaa acaagaaaca   60

aggatggcaa aattataaca agtcagacca tttcaaaaat ctaaaatgtc taccaacaca   120

gataatataa aaaaaataac aaccgcaagg cctaaatatc agtagccatt aataatttaa   180

tcttcgtcct cctcatctcc atctccacca gcagccttct tagcagcagc cctttggttc   240

tttctcttca cacgtcctgg acgaccacca ccaagaggac tggtcagtga gaagtcaatg   300

tgcttctgcg aatcaaccct aaccatgaat gatgggatgt tcaccacctg tctcccaacc   360

ctgatgagcc tctgcctgat gaggactctg gcgtggagga tggacttggc catgccagac   420

tagaaaacga gg   432

<210>   7350
<211>   481
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084g02a1

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tgtagttgag aagctacttt ggatggcaat tgtgtgcttg gtgctgggtg taatttccat   120

tactcccaag gcccaagcag cagtgacatg caaccaggtg gtgagcaacc tcaccccatg   180

3274

cattctttat gtgctcaatg gtggcaaaac cgtgcctggc ccttgctgca atgggatcaa   240

gaccctcttt aacctcgctc actccacacc agaccgccaa accgtttgca agtgcataaa   300

gaacgctgtt agtgcgttcc attatggcaa gtccaatgtg gaccgtgctg ctgctcttcc   360

taagcagtgt ggggttaaca ttccttacca gatcagccct ccaccgact gtaccagagt   420

gcagtgaggt taatgatata tggagcggta actcgagaag agaaggatat acaatatata   480

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<210>   7351
<211>   435
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084g02d1

<400>   7351

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tggttgaata aaatacataa attattataa atctttaata ttatttttga ttcttacaaa   120

taaaaaaaat acaataactc aataacaaga ctagtagatg gatgtaataa taagcagcca   180

ccagtcatta atgtaatgtg tggcctacgt atagccagcc acttattcac acactagcta   240

tatattgtat atccttctct tctcaagtta ccgctccata tatcattaac ctcactgcac   300

tctggtacag tcggaggaag ggctgatctg gtaaggaatg ttaaccccac actgcttaag   360

aagagcagca gcacggtcca cattggactt gccataaagg aacgcactaa cagcgttctt   420

tatgcacttg caaac   435

<210>   7352
<211>   548
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220084g03a1

<400>   7352

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ttaaggtttc agaggttagg aagatgtatg cacatgcaat tgaagctcta tctgcttcat   120

gcagcaagca ctctaggcag gttcttcaag ctgccaatcc ttcttcacca gatcctgtat   180

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ttgttcagtt agaacttggt cttgtggata tatttcttag tctttgcaga tttgagtggc   240

agactggtta tagagaattg gccactgctt tatttcaggc tgaaatagag tttagtttat   300

tttgtcctcc tttgctgctc actgagcaga gtaaacacag actgtttgag catttttgga   360

acagtggtgg tgctagnagt tggngaagaa ggggctcttg cttggtccac atggttggag   420

aaagaggagg aaactaggca acgggttatg aatgaggagc tctcacgtga aaatgaaggt   480

ggtggttggg actgttggtc agaaccatgg tctaaagata atgagggtat ttgcaatgtt   540

gaacatga                                                            548
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<210>      7353
<211>      443
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220084g03d1

<400>      7353
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ctcacaaagg gtatatggaa gcacaatata catcatgtaa ctatcttaca tacaagtcca   120

atactatgag tactgcatca tggacctgtc ttacatacag tcggattcta gcagtagtgg   180

gagggcgaat gtcacgactg ttgcaaaagg atctcataaa tgtcagttct caaattcagt   240

tccttatcac gcatgacttc ctgtagatca gatagctctt ttgcagtaag gacagagttc   300

agcttgagaa agccatccaa ccatagcctt tttgaccagg ggcaggaatg gatagcccgg   360

aagaaagcac gtcgagctgc aaaaggatca tgtgcaattt ccatctcaaa cataatatag   420

caacgccaca gcaaaactga gct                                           443
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<210>      7354
<211>      509
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220084g04a1

<400>      7354
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taagaagcac acccatccac cgttcaacgc cttctactaa tacttctcct ttctctttcc   120

caaacacaaa tcactcttct cttctaattc ttatcacacc actcccctct ttaatcatgc   180

aacgctctca ctctttccct ctctagagac ctcgccctgc catgtcatca caaaccgcgc   240

ccacggaggc gccggagcct tatacgccgc ttctccgctc ccgcaccgat gccggccgag   300

gtcccgcccc gacgctggcg ctccttctcg gccgcgccgg ccgccgtggc ccatccatgc   360

tggtacgtga gacggcggcg cgtgagctcg aggagcgccg cgctgactgg ggctactcca   420

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tgctcgcatg caccacctnc gagcacccg   509

<210>   7355
<211>   471
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084g04d1

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tttccgtcag aaaagaaatg aacaacctac aaattggaca tctctgaatc taacaaagga   120

cgaaataatt ctaagtagac tacagttgct aacttattcg tcaataaatg ctctatatat   180

cttttctcta cagaaacagc taaacgaaac aaccatcaaa acccagcgag tagggaagta   240

aactctttct tggcttgaaa ttatatatac atattacaca acagttgttg aaacacccag   300

ttgggacttg gtaggttctt cgttttctgt cacacttggt cgtttccctt gagaatattg   360

tacttgcaga gaggacaagt tgcattcatc ttcagccatt tcacaatgca cgacgaatgg   420

aaatgatggt tgcagggaag agcatgcagc tctgctccat cctcgtatga a   471

<210>   7356
<211>   485
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084g05d1

<400>   7356

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gttttatgag gggcgaaaac aagatgaaac tgtctatgct gaacaactaa cgtatttgct    120

taactatgat tcgatcctat aaagcccact tatttctcaa agagttgacc agatgcaact    180

aactcgacac tatactgatg aacccacata atcgcagggt tcacatgcaa tctaaatttg    240

cagttactgc aagtatgata tcctttgaga attcattcct gcatgataca ccttgaggtg    300

gattattgcc ctggagacca attcctttat atgcggagga agaactgctc tgtttgctcc    360

ctttagaact gtcaacaccc ttgcttgttc cacggactca ctgttgccgg catgcagcgt    420

caggttgcat tgaagcgtta tcccgcgatg catttgtgta acttcattac ttcttagcag    480

tctca                                                                485
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aataggacat aatttgctat taagaattat aattatgcac actgaaaagt aatctgacta     60

cttgtgcata aaccaccgtc ggacttgaga cccacactat gtctgtcact tactcatacg    120

tgcggacgca aatggccagt gccagggaca acattaatag gggatgaaca gctgcgactg    180

aatcagcgtc agcaatgtgc ctatctacgg gtggaaataa tgccagatct acattcgcct    240

ctgaaaggta cttatacctg acatcgatac agaccaggta acttctggcg actacgagat    300

gcgtgagacg atcaccctta cagtgcatct gtcgtattgt aaaacatagt ctgtcaagag    360

tctgagaacc acttgtgaga ctaaaataac gggctaccct tgcgaagtgc tctacggtga    420

ttagtgtact ctcttagctt agggcattcc agagtcagcg acact                    465
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aatgggacat aatttgctat taagatttat aattatgcac actgaacagt aatctgacta     60
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catgtacata aaccaccgtc ggacttgaga cccacacaat tactgtcact tactcatacg 120

tacggacgaa aatggccagt gccagggaca aaagtaaaag ggtacagata gctgcaactg 180

aatcagcgtc agcaatgtgc ctaactacgg gtggaaataa tcccgatcta caattcgctg 240

tgaaaggtac ttatacctga cctttagaca gacca 275

<210>   7359
<211>   74
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084g08a1

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cctattagca tgca 74

<210>   7360
<211>   294
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084g08d1

<400>   7360

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ttaagattta tacttgtgca cactgagagg taatctgatt acatgtccat aagctaccgt 120

cgcatttgag accccttcta tgtctggcac ttactcatac atacggacgc aaattgccag 180

tggcacggat aaaagtaaaa tggtgcaata actgcgactg agtcagcggc aagaatttgc 240

ctatctgagg ttggaaaaac tccaggacta caattcgcta tgagaggtgc ttat 294

<210>   7361
<211>   197
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084g09a1

<400>   7361

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cgcatttgct tgcatactgc aggctggtgg aatacaggaa gaaaaggact atccatagca   120

ccgggagaca tggcacgctc aaagctgtca agaccaaagg ctgagctact gcatctaatt   180

acagagaagg atccctt   197

<210>   7362
<211>   317
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084g09d1

<400>   7362

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aggtacataa gcaaccgaca catttgggac tccttctggg tctggcactt acacatccat   120

aagaacgaac attgacagtg gcacggatat tagtagaatg atgcaataac tgagacttaa   180

tcagcggcaa gaattcgcct gtcgcaggtt ggaacaactc caggtctcca atctccattg   240

agaggtgctt atattgcacc atttgtagga ccagacattt acttggatct ccgacttgta   300

tatgacaagc atacata   317

<210>   7363
<211>   180
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084g10a1

<400>   7363

cgccgagaca caagaagagg gagcgtgtga ctgaggctgc gacagcgtga tggtgagcaa   60

caccttccat tacatactcc aggctgcagg agtacaggaa gatcaggacc atacatacgc   120

cgggagatag ggcaccggca aagctgtcag gaccacagtg gcagatactt gctctaatga   180

<210>   7364
<211>   237
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084g10d1

<400>   7364

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gtgaaccacc ttagacagtg cacggatat catttaaatg atgcagtaac ggaaacttac   180

ccagggcaag gattaccccg gtttaggatg aacaagtcc agcaagccga tttccct   237

<210>   7365
<211>   374
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220084g11a1

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ccagctccat ctgcttctag tcctgcctcc ttcaagactg aggctctttt ctccaaaaag   180

aaggctacac caacacctcc aaaaaaagct gctgctgctg ctcctgccaa tgatgagctt   240

gccaagaggt atggtcctga cagaaggatc ttcttgcctg aaggtctctt ggaccgatcc   300

gaaatcccag agtactagac cggagaagtc cctggagact atggntatga cccattaggt   360

cttagcaaga agcc   374

<210>   7366
<211>   275
<212>   DNA
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<223>   Clone ID: jC-gmfl02220084g11d1

<400>   7366

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tggagaaaaa catgaagatg aatgatttag agagttggag ctctctcagc agacccggca   120

atgacagtga gcaagttgtt gccaaaaggg tcactgagat gttttgctag gttctcaaca   180

ggaccttctc cggtgacata tgcttggaag tagaaaccaa gcatggcaaa catagcaagt   240

ctgccattct taattccctt caccttagc agtgc   275

3281

<210>   7367
<211>   482
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084g12a1

<400>   7367

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cttcccttag gcatgtcaga aatgcttgga aaccccatca acttcagtgg tgccacaagg   120

ccagctccat ctgcttctag tcctgcctac ttcaagactg aggctctttt ctccaaaaag   180

aaggctacac caacacctcc aaaaaaagct gctgctgctg ctcctgccaa tgatgagctt   240

gccaagtggt atggtcctga cagaaagatc ttcttgcctg aaggtctctt ggaccgatcc   300

gaaatcccag agtacttgac cggagaagtc cctggagact atggttatga cccattaggt   360

cttagcaaga agccagaaga ctttgccaaa tatcaagcat tagagttgat tcatgccaga   420

tgggcaatgc taggagctgc tggattcatc attcctgaag ccttcaacaa atatggagca   480

aa   482

<210>   7368
<211>   416
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084g12d1

<400>   7368

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tggagaaaaa catgaagatg aatgatttag agagttggag ctctctcagc agacccggca   120

atgacagtga gcaagttgtt gccaaaaggg tcactgagat gttttgctag gttctcaaca   180

ggaccttctc cggtgacata tgcttggaag tagaaaccaa gcatggcaaa catagcaggt   240

ctgccattct taatttcctt cacctttagc agtgcagctt ggtctggatc atttgcaagc   300

cccaatgggt caaatggacc acctggatga agattgtctt cgaagttcag gccattaata   360

attgtgtagt cctctgcacc tcccacaaga acaatctcag caatgacagc cacaat   416

<210>   7369
<211>   471

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084h01a1

<400>   7369

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aagcgaggaa gagatgaggg agaggtacga gatattctcg caaaacctca ggttcatccg   120

ctcccacaac aagaaccgct tgccctacac tctctctgtt aatcattttg ctgattggac   180

ttgggaggag ttcaaaagac acagactagg cgctgcccaa aattgctctg ccactcttaa   240

cggcaaccac aagctcactg atgctgttct tcctcccacg aaagactgga ggaaagaagg   300

aatagtgagt gatgttaaag atcaaggcag ctgcggatca tgctggacat tcagcacaac   360

tggggcttta gaagcagcct atgcaccagc atttgggaag agtatctctc tttctgagca   420

gcagctagtg gattgtgctg ccgtttcaa caactttggg ctgtatggtg g   471

<210>   7370
<211>   474
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220084h01d1

<400>   7370

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ttcttataac tgataattaa agcggggcgc atcaatacaa tacaatacaa tatgtaacta   120

tgaactatca atatatgatc gttatttatg tctgtgatac acacaattca agccatgata   180

ttcttacgtg atttacagca acttctaact tatttaatac atcataccaa cccaactagg   240

agcaattttc attatacaat gacacttatc tttaaactct gaagcatgac aaggaggtag   300

gcaccaggga ccatattctt atgcaattta tgccacaact ggataagacg cacaagttgc   360

aacaccacac atgttcttcc ccaattccat ttagaagtag ccattctcac cccaactttc   420

tccccatgaa ttntntatga gccaatatgg gacgccattt tcaactccat accc   474

<210>   7371
<211>   571
<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220084h02a1

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gaatattgat gatggacgtg ttgtcagcaa cttcattgct caagcaattc gtggtgaacc   120

cttgacagtc cagtctccag gaacacaaac tcgcagtttc tgctatgtct ctgatctggt   180

tgatggactt atccgtctca tggaaggatc cgacactgga ccaatcaacc ttggaaatcc   240

aggtgaattt acaatgctag aacttgctga gacagtgaag gagcttatta atccagatgt   300

ggagataaag gtagtggaga acactcctga tgatccgcga cagagaaaac caatcataac   360

aaaagcaatg gaattgcttg gctgggaacc aaaggttaag ctgcgagatg ggcttcctct   420

tatggaagag gattttcgtt tgaggcttgg atctgacaaa aaaaattaac ttattttcgc   480

tcctttttata tctagtcaaa atattcagat aataagtggg atggattatt ctattaagtt   540

ctcctatntt tccttttcat aattatgata c   571

<210>   7372
<211>   444
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220084h02d1

<400>   7372

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cccaaaaccc gggcccccca cctcctaagg atcaaaaata tgaaaaggga aaatgggaaa   180

acccaaaaga aaaacccccc ccacttatta acggaaaatt ttgaccagat taaaaagggg   240

cgaaaataag gcaaactttc tgggcaaacc ccagccccaa aggaaaaacc ccctccaaaa   300

aaggaagccc ctttcggaag ttaacccttg ggacccaagc aaggaattcc aatggcttag   360

gaaaaaggga gtccctggc ggggatcccc aggaggggggc cccactaccc ttatccccc   420

atggggagaa aaaacccccc tcac   444

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<210>    7373
<211>    448
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220084h03a1

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aactgagttc aacctcaatg gttctatgca acgagaaaat gagctgagat caaaagttca   120

aattttgata gatcaactca aggctaaaga tgctgcttta gagaagcttg agaaatgtaa   180

tgttgagagt gttaaggaaa aatctgaggt gttggcttta agggaaaagg tgaaatttct   240

tgaggaagag caaaaagaat ttgagcttca gataaataat gtgactgcag agaatgaagc   300

atgtcacgaa cacctaattg aaatggaaaa ttttggtgac tctttgaaag aaagcattga   360

catagcagaa aatcgggctg agagtgcaga acaaaggtta cacagttaac tgagaccaac   420

tgggaactta ctgaagaggt gagtttttc                                      448


<210>    7374
<211>    602
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220084h03d1

<400>    7374

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tgttcagcac tcatgataga aacacacctc caattcaatt ataatattag cttacaacca   120

cctaagatca catgaatata caataacaat acataagcta aggacttgag ggaagcacaa   180

ctgcacaaac agcaaatttt tctatatgct aggtcataac ttagcaatca aaagcttttg   240

gaaagaaaaa tgtttccttt gtcaaaccac cagaaggcta gcacagaaat cagtgggaca   300

aacattgcta ctgaaagaaa tgtcaagttt ctccaatttg caggcttatc tgctgaaata   360

gatgatgtta ctcgagttac ggagcttgca ccttcttcat ccacctgaaa tgtcttatta   420

aagtgatcta ttccttcttc atctgatgat ttagcagagt tatcattgct cgagtcattg   480

ctggaagctc gatcttcatt tctgttattt agtccattgt tggatgcatc taaagaggca   540

tcaattttag tattctttaa cttttctacc aaatgtttaa tttcctggtt taaagcatgt   600
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<210>      7375
<211>      500
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220084h04a1

<400>      7375

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actcttgttc ttcggtctcc tcctattctc cgctgccgta gccaccgtcg aacgaatcga   120

cgatgaagac aaccttctga tccgtcaagt ggtgccggac gcggaggacc accacctgct   180

caacgcggag caccacttct ccgccttcaa gacaaagttc gccaagacct acgccacgca   240

ggaggagcac gaccaccgct ccgtatctt caagaacaac ttgctccgcg ccaagtcgca   300

ccagaaattg gacccctccg ccgtccacgg cgtcaccagg ttctccgatc tcactccgtc   360

tgagtttcgc ggccagttcc tcggcctgaa gccgctccgc cttccctccg acgctcagaa   420

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tgttaccggc gtcaagaatc                                               500


<210>      7376
<211>      395
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220084h04d1

<400>      7376

gggggaaccc aaaataattt tatttagggt acttgcaaaa actattgaaa accggggggga    60

aaatttggag ctaaactaac ttgcataaaa aattaccgca taaaagccta aacaagggct   120

taacaggttc cccccccata aaattttacc acagggaaat tatttacata caccctatac   180

tggggcccct accctggtta ggcatccctc cctaaattta aagggtaaaa acaagttttg   240

gcgctcccgt tgaaaccatt ggggcccccc caaaaacatt gggacccctg gaaaaattgg   300

aaaaaccttt ttttgcccaa gatttccccc aagaattttt taagaaccaa aaagggtttt   360

ccttaaaacc aaatggggca taaggcccaa atcca                              395
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<210> 7377
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220084h05a1

<400> 7377

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acaacgtgat ttgtggattg ctgtaaagtg cattatttgg ccattagcta atggacaagg  120

gggtgcctcc tagcctcttc gtcaatgatg gttctttcat ggagaggttc aagcaacttc  180

aacaagagca ggataaaggg aagaatgtca aattggagga ttctaaacca attaaggtta  240

tttcagggtc tttgtctccc aatccttcct ttaccaaaac gcctgtggac ttgaaggtta  300

atgacacaag gaaaatatcc cagggtggtt ccagtggaaa gctagctttc agtttaaaac  360

aaaagtcaaa gctggtgcca ccccctgtta agttgagtgc tgatgaggat gaagaagtaa  420

cagaagctgg gtatgtttca aacgatgcac cactaanacg gcataagtta ggccaggagg  480

aaggcattga ccaatcatca agacaa                                       506
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<210> 7378
<211> 531
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220084h05d1

<400> 7378

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catatacacc ataatatccc tgtaccactt cataatatgc ttgcgataca aaaaacatgt  120

tccaaaagct ctgacaagta aaaataacca aaaacccatt attctttggc ggataaaaat  180

gcgattgaag tgaacattac ccttcccccc tcttttctcc cccaaatctt agtttcaaaa  240

gactacaagc actgcagcac acaataaaaa ccctactatc aacacaccag ttcatcccac  300

tttgtaaaag ttaacttttc ctgaagagtt gcacaaagca cccaatgtca agttcagtaa  360

taagccttgc gaggattgtt caggggattg ggtctgtaac ggtagccaag catcatccgc  420
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3287

tttttgtact gctcatatat gtcatcctca gcactcacct ctccaggttc ctgagcccca   480

accccaggt tattcttctt aacattaccg gccatgatag gatccgcaat a   531

<210>   7379
<211>   373
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084h06a1

<400>   7379

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cctcccacat gactgaaatc atcatcacca gctccttccg gcacaagtct gaaactacaa   180

caattgacct caactactca tcaaccaacc accttaatag ccttctgcag aggatactca   240

tagatccaac tgagagctgt gcaaacatgg cggcttgagg aagttccttt gccaacatca   300

ctagcttcct tcgcgaccaa caaccctctt accaacctct cgattcttct atcttgctct   360

atgctccttc aat   373

<210>   7380
<211>   346
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084h06d1

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cccaatggag gacaagaaaa aacacatacg taaggggaa aaaggccaga ggcagggaca   120

atattagcag ggaaaaaaac tgagactgac ccagcgcagg gacatgcaaa gacgagggag   180

aaaaacccca agaatccagg aaaaaaaaaa aggtgctcct agctaacagg gggccagacc   240

agataaaaaa ttggaattag aaaatgatta tgggaggcac cgatacagtg cctatatacg   300

tacagagaga acaagggctg acaagggcag aaaacctctg cgggga   346

<210>   7381
<211>   353
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmf102220084h07a1

<400>   7381

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cgatcatatg aagagaatac ttgcggatgg ttgtaacagt gtaaatcaac atattgaacc   120

ataatccgct tctgtagctg ggcaatagga taccatttca tcatcaaatt catatacttc   180

gatgcctctt caatttcagt ctgagactct gggagtctcc ttgctctgtt gaatttccca   240

gagccaggta ttataatatg aaggtagaaa taaatatatt gcatgcaatt cacaacgaaa   300

gattcaaagc atctgcagaa gttgccatta cattaaaaaa atgcagagat tca   353

<210>   7382
<211>   462
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220084h07d1

<400>   7382

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gctctgaatc cccccttttgc acatgcatgc gaacgatcaa ttcctacccc acgtataaaa   180

atcccggccc cgggaaatca acctgcctgg gggaatcacc gagcccccca ccggaattgc   240

aaaggccacc cagcctatga acttggacag gaaatgatag ccaactgccc agcctaccaa   300

gcggcttatg ggaccatggg cccagtatca gcgatccacc cttgcacaag taacctctac   360

atatgaacca ccggccctcg aatccgcctt tttgaaatgc ggggtgacgg attttccaa   420

gctgacaacc ttcacccgag tgccaagcgt actcacgcgg gc   462

<210>   7383
<211>   73
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220084h08a1

<400>   7383

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cgcacatgat tgc                                                         73


<210>      7384
<211>      200
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220084h08d1

<400>      7384

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acatgcgcac tctaacaagt aaactaattg aaaggacaac aacaactaaa acctttgggt   120

cacaatctgg atatcgcagt tccacatcca tacgagccaa cagtgccagt ggcatgtata   180

aacgctaaat attgcaacaa                                                200


<210>      7385
<211>      300
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220084h09a1

<400>      7385

gtgtgatcct atagaatttg gatcatgtgt ctcaggctgt aatgatagtc cgagtaacat    60

cgcatttgag tgcatactac aggctagtgt aatacagaaa gaaaaggact atgcatgcac   120

gggaaaagat ggcacctgga aatctgagat gaccatgatt gcagctactg catgtaacta   180

cagggaggta gccctagagg atgaactgat ggctgcatac gtagtgtaga aagggactct   240

tgcagctgct atcaatgctg ttagtatgca gacatatgga ggaggcgtgt catgcccata   300


<210>      7386
<211>      461
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220084h09d1

<400>      7386

agaggtccta agtccatata aatttttata catgcgcaca ctgaaaggta aactaattaa    60
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3290

aggtacagaa gcaactgaca catttgggtc tccttctggg tctggcactt ccacatccat 120

aagaaccaac attgacagtg gcacggataa aagttaaata atgcaataac tgagacttaa 180

tcagtggcaa gtattcgcct gtcgcaggtt gaaacaactc catatggcca atctccatag 240

agagttgctt atagtgcacc attttaggga ccacacattt acttgcattt ccgacttgca 300

tatgtcaggc atacatacag aatttacata ctacatatac aacatggtct tagcaggttc 360

ctgatcctat acggagacta ttttaccagt gccacatgat gaagtgcaca acgtagatat 420

tggtactaac tggccttagg ccagtactac gtcacagaca c 461

<210>   7387
<211>   131
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084h10a1

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cacatgagac tggggtctta cgtgtgtact tgcaccctag gatcatgctt acacatgtcc 120

tactgcagct g 131

<210>   7388
<211>   195
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084h10d1

<400>   7388

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atcacgcaaa tgattggggt cacactttgg gtctggctca tccaaatgca tccgaactca 120

cagtgccagg ggcacgcata atactctgaa ccccttataa ttgacacagt gaaaacttct 180

cctttaaaa agggg 195

<210>   7389
<211>   147
<212>   DNA
<213>   Glycine max

3291

<223>   Clone ID: jC-gmfl02220084h11a1

<400>   7389

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cacaggagac tagggtcata cgaaacaact tgcaacctag gctaatcgtt acacatgacc   120

aactactgct gatgcgacga agcccga   147

<210>   7390
<211>   293
<212>   DNA
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<223>   Clone ID: jC-gmfl02220084h11d1

<400>   7390

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aagcgctgtg ttatcacaca aacaagggga actgtgctac actgacctag agtgaacatt   180

cccctataaa aaggggggatt ttgaaaaatc tcggggagga ttatttccac ggtgcacctt   240

tttaaatgcc ccctgagaaa aagacctcgg aatgttccat ctactatggg ctt   293

<210>   7391
<211>   459
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084h12a1

<400>   7391

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cacaggaggc taggctccta cgaagcaact tgcaaccaag gctgctcgta agactggacc   120

aactactggt ggtgtgacga agcccgaccg ttatcgtgct ggtaccgtag ctcttcgaga   180

gagtaggata taccagaaga gtaccgagct tatgatccgg acactgccct tacagaagct   240

ggttcgagaa agggctcaag actcgacgac tgagctgcga gtgcagagcc acaccgtgct   300

tgcattgcaa gaagcggctg aggcgtacct tgaagaactc tgtgaagaca ctagcccgcg   360

ggccattgac gccaagcatg tgaccattat gccgaatgat attcagctga caggaaagat   420

3292

tcgaggcgag cgtgctagag atggaagctg gaaagatga   459

<210>   7392
<211>   251
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220084h12d1

<400>   7392

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tgaaatgcat tttcaaccgg atcactggat tcatgatggc tggcaataa ctcacctgtc   180

cctttactac aggtctgaac ttactatcca aacaaaaacg cttttcagag catagacttt   240

aataggcaac c   251

<210>   7393
<211>   427
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085a03a1

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aatcttcaac tcatccacag tccgtggtgt cattttgatg tctattgtcc ctctctgctc   180

ttttgtctgg ttaaagagat attgtggcat ttctcgaaac taagtctgaa tcctcctcgt   240

tcaaaatgct gattggttgg aacaaacatt ggtttattcg aattttgtgg taatatagaa   300

ctatcaagct gtgtcacacg gcttgtattg tatataaatt atgggaatta ttgcgtaaaa   360

taatgggtat tgggacttgg gagtttagta atgtgttttt ttttcccgtt aaaaattgaa   420

gtagttc   427

<210>   7394
<211>   427
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085a03d1

<400>   7394

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cccattattt tacgcaataa ttcccataat ttatatacaa tacaagccgt gtgacacagc   120

ttgatagttc tatattacca caaaattcga ataaaccaat gtttgttcca accaatcagc   180

attttgaacg aggaggattc agacttagtt tcgagaaatg ccacaatatc tctttaacca   240

gacaaaagag cagagaggga caatagacat caaaatgaca ccacggactg tggatgagtt   300

gaagattgca gctgagatag agcagtatca ctttcttcgt tctcatcaaa aggaattgat   360

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ctctctt   427

<210>   7395
<211>   374
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085a04a1

<400>   7395

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tgctgttcat ttgaagtaca aatgtgattc atgtggctga gtaagggctt gtgtgggccg   120

aaaactacgt cgtaacaaat taaaatggtc ccgtcattgc tttatctcgt ggattggttc   180

attgaacgtt tgtataccct acatctttag ctgaaaatga ggaccaaaat tttcaccttc   240

ttcttcttct tcttcttccc ttttctaaag gattaatcta aaaccccccac gagttaagcc   300

caaagaatcc cccacctatt taccgattta aaagattact actattatta atcgataaca   360

gggttcaatt cctg   374

<210>   7396
<211>   529
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085a04d1

<400>   7396

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gatcaaatca atacttatac ggctagtgtg atacaaaata ctctttaaaa ataaaaataa  120

aagaaaagga aacattaatc tataactgac attagaacac cttggggcgt caccatggag  180

ccagggggtg tgaagaaaaa ccatctggaa atttagggca aacagacaga caaaacaccg  240

ttcttcatat tacagatatt ggttgaaaaa caatctgcta aaatttctga tcttttcctg  300

aaaactacct tcattaacag cttttaataa cagtcgatgt gaaagctgca gacacagcaa  360

gaaaattgta gaagcacata gaatcaaaaa ccctgcacct gaaatctaga gatggcagta  420

gtctgtgtac attgatacga ggaccagcaa tcactactgc aagatgctaa tcacacgaaa  480

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<213>     Glycine max

<223>     Clone ID: jC-gmf102220085a05a1

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ttcgccctct ccagtgggt cctcgtctcc aaggttaagc tctccgctgc cagagacgct  180

tcccctaacg ccgccggcaa aaatggctac aacgattacc tcatcgaaga agaggaaggc  240

ctcaacgatc acaacgttgt cctcaaatgc gccgaaatcc aaaacgccat ttccgaagga  300

gcaacctctt tccttttcac tgaatacaag tatgtgggaa tcttcatggt ggcttttgcc  360

attttgatat tcctattcct tggctctgtg gaaggattca gcacgagcta ccagccttgc  420

acctatgatc aaactaaaat gtgtaagcca gctcttgcta ctgctgtttt cagcaccata  480

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<223>     Clone ID: jC-gmf102220085a05d1
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3295

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ttcaaggtgg gggaggaaaa ggtttcaaaa acaatggaat tgacatgaca gatgagttaa   180

agactaacac aaaaacgaga aggcattggt aaagggacgg cttttccttg ttctgtcgtt   240

gtagaaaaat gatggacgat actctttttc tatcaaatcc tttagatctt gaagagtagg   300

ccaccatgtg tagcaaagaa gggagcaaac acaagagact caaccgccat gagcttaata   360

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<223>   Clone ID: jC-gmfl02220085a06a1

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ctagccaatt tattaataag gcacatattg ggaagcccaa aatgcaatat gtcactcgga   180

tttaggttcc acccaaccga tgaggagctg attcttcact accttattga agaggtagca   240

ttcataccct tgagcgatac cattattggt gaggatgata tctacaacgt tgatccatgg   300

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cgacagtacc cagatggtgc aaggatcaac agggcatttt   400

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<211>   433
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085a06d1

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gtcatacaaa ctcggatatg tcgttttagc agtgcatgga gccttgaatg ggagaatttt   180

tgttcgaggc cctaccaaag agagcttgca tccaggctag acaggtctag ctaaagtct   240

cacccacagc ttacttcaac agaaatgggg tatgaaaaca ctatcacagc tatgtgctaa   300

acccggaggt actattggtt gattaaagat tagattggtg tgattgtttg gaacgcgtat   360

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tccctgaaat tga   433

<210>   7401
<211>   486
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220085a07a1

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taatcaattt ttctttccat ttgacacacc ataccaatca accaaccttg ttgcttcttg   180

tgatcactcc tgaaccacac taatggatat tgatgagtgg gagtttctct ctgatgatgg   240

ctaccttgat ttcaatgaag agggtgggaa gcaaaagcaa aagcagaatt cctttggaaa   300

attggactcc gagggcatct ttgacatgga ctacttttgc tcatcaccac caccaccaag   360

ggtgagaact caactagtcc ctatgccaat tcaattggag ccaaaaattg ggaaggcccc   420

agaagatatt ntggtgaaag acatcatcaa gagtagtcct atggaagtgg ctattgctac   480

cccatc   486

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085a07d1

<400>   7402

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tgtagactac aattgcttca cgaaggcacc taatcaatgc tttcaaagac catcatagta   240

accaccaacg cttatgtgag ctctgctcat aggaacacct cttgctgctg aaattgcatc   300

attcaatttg gtcgcatgct gcaccacttg cttaatcctc ttgtcatcag tatagatctg   360

gaaccgaatc ttctgatcct gctttagttt gttcctctgc tggcttccaa agaagagaac   420

acaaatagta gcagcagcaa caccaaaaga acagatagct ccaacacctg tcaaactcca   480

cttccacaag ttgaaaccac tggtgttgtc ttcctcccaa gtggactcct cttctttgtc   540

acacaca   547

<210>   7403
<211>   498
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<223>   Clone ID: jC-gmfl02220085a08a1

<400>   7403

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taatcaattt ttctttccat ttgacacacc ataccaatca accaaccttg ttgcttcttg   180

tgatcactcc tgaaccacac taatggatat tgatgagtgg gagtttctct ctgatgatgg   240

ctaccttgat ttcaatgaag agggtgggaa gcaaaagcaa aagcagaatt cctttggaaa   300

attggactcc gagggcatct ttgacatgga ctacttttgc tcatcaccac caccaccaag   360

ggtgagaact caactagtcc ctttgccaat tcaattggag ccaaaaattg ggaaggcccc   420

agaagatatt ttggtgaaag acatcatcaa gagtagtcct atggaagtgg ctattgctac   480

cccatcagag aacacaaa   498

<210>   7404
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<400> 7404

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ttatttacag caacatagga tagggccaga ttaatagatc ttatagcatg gttgatccat   180

tgtagactac aattgcttca cgaaggcacc taatcaatgc tttcaaagac catcatagta   240

accaccaacg cttatgtgag ctctgctcat aggaacacct cttgctgctg aaattgcatc   300

attcaatttg gtcgcatgct gcaccacttg cttaatcctc ttgtcatcag tatagatctg   360

gaaccgaatc ttctgatcct gctttagttt gttcctctgc tggcttccaa agaagagaac   420

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<210>   7405
<211>   268
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085a09a1

<400>   7405

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ggcctggccc acgtcactgg cctgcacgga atggctatca gagttgacga cgctgaccct   180

gcagctcttt acaacgccta ttgttacctc ttgttctacg tcaaccgagt cgtttgcgaa   240

caccgcatct ggtcatggac agggtgct                                      268
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<210>   7406
<211>   491
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085a09d1

<400>   7406

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atgcataaaa gaaatagaag acacattcaa gttttcaact tcagccgagt gcaccacccc   120
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cacggtcaga cacaaggtta ttaaaatggg ggtgggggaaa acttgatctt ccaagtgaaa    180

caaacatttt aaagacggga agatgatttt gtagaccttg gatctgtact atattcatac    240

gcaccaatac ctcggtatct tccaagtctt gcagcattaa catactgcac aagtggaggg    300

cacggtgcat atttgctgac accaaagcca gcatgaaaaa ctctcattat tgacaagcac    360

acatcctatc caatgaagtc tgcaggctct aaaggaccca ctggatggtt agtacccacc    420

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ccacctatca t                                                          491
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<211>      495
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220085a10a1

<400>      7407

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cgggcttcat cccccccagag cttggaaata tgtcaaagct tcactatttg gaactgaatg    180

ataaccattt aagtggacat atcccacctg agcttggaaa gcttactgat ctgtttgact    240

taaatgttgc taacaacaat ctcaaggggc caattcctag taatcttagc tcatgtaaaa    300

atctcaacag cctcaatgtg catggaaaca aattgaatgg atcaattccc ccttctttgc    360

agagcttgga gagtatgacc tctttgaatc tttcttccaa caatcttcag ggtgcaattc    420

caattgaact gtcacggatt ggtaatttgg atacattgga tatttcaaac aataaattag    480

ttggttccat ccctt                                                      495
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<210>      7408
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<213>      Glycine max

<223>      Clone ID: jC-gmfl02220085a10d1

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gggggcatatt actaagtgtg gggtttttgag gatcgcatac tcatccacgt tgcatggtac   180

tttggcagat ggattagaag caggtggttg gccagctagg tgctttggtg ggatgcttga   240

tggcacgtga ctttcgcgta cacgtgtcag ttcgagcatt gctggcctat cagatggctg   300

ccgctatgtg cataatagag caggctgagt aaccctggtt acagctccta ggaccttgca   360

tgtggcagtt acgttgggat caa   383

<210>   7409
<211>   526
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220085a11a1

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cttgggcctt tggtggcatg atcttcattc tggtgtactg cactgctgga atctcagggg   120

gtcacataaa cccagcagtg acatttgggc tcttcttggc tcgcaaggtg tctttgatta   180

gagcaataat gtacatggtg gctcagtgct tgggagccat atgtggagtt gggttggtta   240

aggccttcca aaaggcttac tacaacaggt atggtggtgg ggccaatgag ctcagtgagg   300

ggtacagcac gggtgttgga ttgggtgctg agatcattgg aacctttgtt ttggtctaca   360

ctgtgttctc tgcaactgac cccaagagga atgctagaga ttctcatgtg ccggttntgg   420

ctccacttnc aattggctnt gctgtgttca tggttcactt ggcaaccatc ccagtaacag   480

gcactggcat taaccctgct aggagtctag gagcttgttg catgta   526

<210>   7410
<211>   513
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085a11d1

<400>   7410

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aaaggaaagt gcttcgaagt actaaagggt cttтactatt taccaaaggc ttactтттct   120

tgaaagaacc tttaatctgc agaggatcaa agcacaaaca gcaccatatt attattatta   180

ttgttgcaat atcaacтттt тttgcctcca attatcтттt ттттaccatt tccactaacc   240

ccccatgaag aggaaattga ctcaaatagt ggggttgctc ctgaatgatc caagagcctt   300

agcagcactt gctctcaata tgaattgatg gtagaaggct gcaattgctg ctccaataaa   360

gggtccaacc caaaagatcc aatggtcatc ccaagccttc tgatggttgt acatgacagc   420

agctcctaga ctcctagcag ggttaatgcc agtgcctgat actgggatgg ctgccaagtg   480

aaccatgaac acagcatagc caattggaag tgg   513

<210>   7411
<211>   548
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220085a12a1

<400>   7411

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cggctgcgga ggctgcaaga tgtacccaga cttgagctac actgagtcaa ccaccaccga   180

gaccttggtc atgggagtgg cacctgttaa ggctcaattt gagggtgctg aaatgggtgt   240

gcccgctgag aacgatggct gcaaatgtgg accaaactgc tcctgcaacc cctgcacttg   300

caagtgaggt gttgggagag caagcttcaa gcagagatag cccttaatta ggaataatga   360

taaactatta atgtgtagct aaaaacttat gtattatgtc tgtgatggtt ttcgtgcact   420

ctggtgtttt gtgttaaaca aacatcctta gaataaagtg gtcatgtctt gcctttcagc   480

aagttcaagt gттттggact tgtgatgggt gtgttaagct catggntgct tctттттттt   540

ttттттta   548

<210>   7412
<211>   412
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085a12d1

3302

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ggccaaaaca cttgaacttg gtgaaaggca aaacatgacc actttattct aagggtggtg　180

gtttaacaca aaacaccaga gggcccgaaa accattacag gcataataca taaggtttta　240

gctacacatt aaaaggtgat cattattcct aaataagggg tatctttggt tgaagcttgg　300

ttttccaaca ccttacttgc aagggcaggg gttgcaggag cagtttgggc cacatttgga　360

gccatcgttt taagcgggga cacccatttt agcaccctta aattgagcct ta　　　　　412

<210>　　　　7413
<211>　　　　387
<212>　　　　DNA
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<223>　　　　Clone ID: jC-gmf102220085b01a1

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gggagtcaat ttttattttc cttagataca cgattccaga cagacgagct tgacgctatt　180

ggttatcact gcagaaccac actacacaat actgatgaga tggagtgtga ttaatgatga　240

tggcttcctt gatatgaaag aggagggcgg gatgcagaag caaaagcggg atttctttgg　300

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aatggcgaga actcaactag tcccttt　　　　　　　　　　　　　　　　　387

<210>　　　　7414
<211>　　　　525
<212>　　　　DNA
<213>　　　　Glycine max

<223>　　　　Clone ID: jC-gmf102220085b02a1

<400>　　　　7414

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3303

tcgtctagcc tccatcgtgg cgaaggagct tctgaacggc cagaaagtgg tggtcgttcg   180

ctgtgaagag atttgcatct cgggcgggct ggtgaggcag aagatgaaat acttgaggtt   240

ccttcgcaaa cgcatgaaca ccaaaccctc ccatggcccc atccacttcc gtgcccctc   300

caagatcttc tggcgcaccg ttcgtggaat gataccacac aagacaaagc gtggggaagc   360

tgctcttgct cgtttgaagg tttatgaagg aatccctcct ccatatgaca agaccaagag   420

aatggttgtt cctgatgcac tcaaggtgtt gaggcttcag aagggacaca agtattgtgt   480

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<210>   7415
<211>   509
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085b02d1

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ataaaaaatt tcaaacacta acaaaaacta ctcaatactt aacaggagca agaacatcaa   180

gttgggaacc gagcttctct tcagcaacct tctcagcttt caccccttaat ttgttgagtt   240

gcttctttct ctcgtaaacc accgctgcct tctcctttct cttcttctcc agctccctaa   300

tggtatcata gtagctccat ccaacttcag atgacaacct gcccagcaca caatacttgt   360

gtcccttctg aagcctcaac accttgagtg catcaggaac aaccattctc ttggtcttgt   420

catatggagg agggattcct tcataaacct tcaaacgagc aagagcagct tccccacgct   480

ttgtcttgtg tggtatcatt ccacgaacg   509

<210>   7416
<211>   502
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085b03a1

<400>   7416

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ttgctggtgt taatcctggc atgattcaac gccttcaaga gttccctcca aagagcaagc    180

tagatcccac agagtttgga gatcaaacta gtacaataac caaagaacac ttggagatca    240

accttggtgg actcaccgta gaacaggcac tgaaaggtaa caaattgttc atattagatc    300

accatgatgc attcataccg tttatgaatt tgatcaatgg cctgcccact gcaaagtctt    360

atgccacaag gaccatcctt ttcttgcaag acgatggcac attgaagcca ttagccattg    420

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<210>   7417
<211>   454
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085b03d1

<400>   7417

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gggccaaacc cggacatccc ccaggggcac agyggaccat aaaaaaatta aaggggaaaa    180

aacccccaag gggcaccaaa aaaaaaaagg gccccaacc cccccggaag aaaaagaaac    240

accccccccc ggggggaccac aaacaaaaaa aacacagggg gggggccacc cctctataaa    300

aaccgaaaaa gaaacccgcc ccacacccccc acctgggaaa aaaaaaaaa aaaacatgcc    360

ccccccccc aggggggggcc ccacccccccc acaaaaaaaa gaaccccaaa gggggggaga    420

aaacccccac caccacacgc gccccagggg gggg                                454
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<210>   7418
<211>   483
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220085b04a1

<400>   7418

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caaacagtat ggtcctaggg aatggaatct cgtgtctcag cgcatgaaca cacctcttaa     180

cagggatgcc aagtcatgct tagaaaggtg gaagaactac ctcaaacccg gcattaaaaa     240

aggatctctt actgaggaag agcagcgtct agtcatcaat cttcaagcaa cgcacgggaa     300

caagtggaag aaaattgcag cacaagtccc tggtcgcact gcgaagaggt tagnggaagt     360

ggtgggaagt gttcaaagag aagcagcaaa gggaaaccaa ggggaatagc tgcactattg     420

acccaattag cgatagcaag tacgagcata tccttgagag ttttgcagag aaactagtga     480

aag                                                                    483
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<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220085b04d1

<400>      7419
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agcaaactag atttcccaat tgtgaatggt gtcactctat cttccatttg gttcagtgag     180

ccttgatctg caccctacct gttctagaaa cttagtaagg cgcaagtgtt ttgcagccca     240

ttgttcagcc aacttctgct ccttgctttc tgcatctctt ctcaaccctg ccaactgctc     300

cctatattct gcttcaattc tatccaatgc agctgtttgc tcctctctca gagctttgat     360

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<213>      Glycine max

<223>      Clone ID: jC-gmfl02220085b05a1
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cctaaaggtt ctttcaagaa gaaagcaatc aatgcctcta acatgctgag gaattctttg   180

accagaaagg gtacgcgaag cagtaaggtc atgtccgttg aaattgatga tgtccacgat   240

gctgacgagt tgaaaatagt tgatgagttc cgtcaagctc ttattttgga cgaacttctt   300

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<223>   Clone ID: jC-gmfl02220085b06a1

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cttaaaactt ctagattgca ccaacacctg cttttttttga attacccgct gctcccagtg   180

aaaatgatcg attcgaagtc tctaagaacg atggagtact tacctttcaa agggacaggc   240

tccacgatcc ctttagcaca gaaatctgaa ttgaacatga ataaacctga ttgtacgaag   300

ggttgacatg ctcctgctca tccactgtgg ggatttcttg ggg   343

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<212>   DNA
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<223>   Clone ID: jC-gmfl02220085b06d1

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agctgaagaa ggtggcgcga tccgcggcga gtgcggtggt ggaggctcag gagaactcgg   180

acgtgaagac gctggtgaag cacatgctcg ggaagaagta ctgtgacaaa cgatgggaat 240

gcaagggctg gtcaataaac tgttgtgccg tccctattac tgattatttc cagacctacc 300

agttggagaa tcatctgtac gggggaact ctccggctgt gcacggcgct tgatttcggg 360

actaccactc gttgatc   377

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<223>   Clone ID: jC-gmfl02220085b07a1

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ggcccgtatc tttactttt gccacaaaca atttctttac gacataagat gctcaaatga   120

ctaaaactta tagattgaac atatgcacct gctttatag aattaccacg ctcctcccag   180

ttcaaaatga tacgatacga agactaccac gaacgattat ttacttaacc tatcacaggg   240

acaggctccg caataccta agcactgaga taggaattga acatcaataa acctgattag   300

aagaagggtt gacatgcacc tgctcataca atgtggagat ttc   343

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<211>   373
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085b07d1

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cggcgttgca gatggtggag ccattctccg cgagcgcggt ggtggaggct caggagaact   180

cggacgtgat gacgctggtg aagcacatgc tcgggaagat ttactgtgac caacgatggg   240

aatgcaaggg ctggtcgata aactgtaggt gcgcttctat tactgattat taccagacct   300

accagttgga gaatctcttc tgcggggggc actctccggc tgttcacgcc gttggatttc   360

gtgactacca ctc   373

3308

<210>   7425
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<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220085b08a1

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cgcccataac ggtcatatat gccagataca aattttttcac gacatatgat attacaaatg   120

actaaaactt ctagatagca acgaacaaaa gctatataat gaattcccac actactacgc   180

agttcaaaat tattgcatac caatgatttc aagaacgctt attaactttc actttcaaag   240

ggattggtac aacaatatca tatgctcata aatctaatct taagatgaag aagctcgttt   300

ggaagatggg ctgaaaggaa cctgctgagc gcatgtaagg atttcatggg gcccagtctg   360

ttgtcgacca acacctagaa ggtcaagata atactggtga tgggaaacga tattgntcat   420

agagtccaca tgaccttt   437

<210>   7426
<211>   447
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220085b08d1

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cgttgctgat ggtggtgcta ttctcggcga gtgtggtggt ggaggctcat gataactcgg   180

acgtgaagac gctggtgaag cacatgcacg gcaagaagta ctgcgacata ggatgggaat   240

gtaagggctg gtcaattcac tgctgtgacc tcactattac tgattatttc cagacctacc   300

agttggagaa tctcttgtcc aagcggaact cgtcggtggc gcacgccgtg ggattttggg   360

actaccactc gttgatcgcc gctgtcgcgc ttttcgagcc gcatggggtt cggaccaccg   420

ggaacaagac gatgctgttg atggaga   447

<210> 7427
<211> 429
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220085b09a1

<400> 7427

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actaaaactt ctagataaca accaacagcc agctgtgtaa tgaattacca cactaccacg   180

cagcttaaaa ttattgcgta ccaataattt caagaacgct tattaacttt cagtttcaaa   240

gggattggca caacaatatc atatgctcat gaatctattc ttaagatgca gaagctggtt   300

tggaagatgg agtgacagga acctgctgag cgcatgtaag gatttcatgg ggcccagcct   360

gttgtcgacc aacacctaga cggtcatgat aatactggta atgggaaacg atattggtca   420

tcgagtcca                                                           429
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<210> 7428
<211> 484
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220085b09d1

<400> 7428

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tgcgacacca gatgatggag acgacggcga agcgaaacgc tgtcgttgcg ccaatcgcgg   120

cgttgctgat ggtggtgcta ttcccggcga gtgtggtggt ggaggctcag gagaactcgg   180

acgtgaagac gctggtgaag cacatgcacg ggaagaagta ctgcgacaaa ggatgggaat   240

gtaagggctg gtcaatttac tgttgtgacc tcactattac tgattatttc cagacctacc   300

agttggagaa tctcttgtcc aagcggaact cgccggtggc gcacgccgtg ggattttggg   360

actaccactc gttgatcgcc gctgccgcgc tattcgagcc gcacgggttc ggcaccaccg   420

ggaacaagac gatgctgatg atggagattg cggcgttcct cggacacgtc ggcagcaaga   480

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<211>   362
<212>   DNA
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<223>   Clone ID: jC-gmf102220085b10a1

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cttgatgacg tcacctgcat ggatgatgga tatagtttag agttcactac atctcttgat   180

ggcattacct tttctatata tggagcagcg tttgtttata atagcaccac tgcgatataa   240

tttgtacttt tactttatat ccttgaaatg atagatttca agagagtaag catcattgga   300

cacgatacga tattaatgta aaatttagtt ttatattta tttattgtta ctattagcct   360

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<210>   7430
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220085b10d1

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tgtccaatga tgcttactct cttgaaatct atcatttcaa ggatataaag taaaagtaca   120

tattatatcg cagtggtgct attataaaca aacgctgctc catatataga aaaggtaatg   180

ccatcatgag atgcagtgaa ctctaaacta tatccatcat ccatgcaggt gacgtcatca   240

agagattaga agaatatgct acacccgttc ttgtacttga tcaagagatt agctccaaaa   300

actcgggtag ccatttcttt tacagtaaaa catgttcaca gtcttactgc atataatctt   360

at   362

<210>   7431
<211>   549
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<223>   Clone ID: jC-gmfl02220085b11a1

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cggctgcgga ggctgcaaga tgtacccaga cttgagctac actgagtcaa ccaccaccga   180

gaccttggtc atgggagtgg cacctgttaa ggctcaattt gagggtgctg aaatgggtgt   240

gcccgctgag aacgatggct gcaaatgtgg accaaactgc tcctgcaacc cctgcacttg   300

caagtgaggt gttgggagag caagcttcaa gcagagatag cccttaatta ggaataatga   360

taaactatta atgtgtagct aaaaacttat gtattatgtc tgtgatggtt ttcgtgcact   420

ctggtgtttt gtgttaaaca aacatcctta gaataaagtg gtcatgtctt gcctttcagc   480

aagttcaagt gttttggact tgtgatgggt gtgttaagct catggntgct tctttttttt   540

tttttttta   549

<210>   7432
<211>   318
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085b11d1

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tgcccaacat taagcaagaa taaaaaataa gcaaccagta ggttaactat cccattacag   120

ggccgaaaca cttgaacctg attaaaggca agacatggcc actttattct aaggatgttt   180

gtttaacaca taacacccga tggcaccaaa accatgtcag gcgttttaca taagttgtta   240

gataccgatt aatagatcct tattattcct aatttagggc tttctttggt cgaaacttgg   300

tctcacaaaa cctgactt   318

<210>   7433
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<213>   Glycine max

<223>   unsure at all n locations
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gcttctttga tcatgaaatt tctagacaag aaaaacaaag ctacattga gatatctcaa   120

atggggtctc tattcaaggc aacanatcta tcaaattcaa aggcacattc tccaatgaaa   180

caagtatcat cagtaggtag cagcacacac aatgttcttc ataacactag cggtgacttt   240

tgtgaagaac aacaagaacc aatgtcaagg actgaagttt tgttcagaac ttattggaga   300

cgtgcttgga ttgttctggt ttggttgctt gcatgcttgg gattgtttgt gtggaaattt   360

gttcaatacc gccatagatc agggtttgaa gtcatgggtt attgtcttcc tactgctaaa   420

ggtgcagctg agaccttaaa actcaacatg gctcttgttc ttcttcctgt ttgtagaaac   480

acaatcacgt ggctccgcan acaccgtccg atcaactctg ttgttccatt caatgacaac   540

attaacttc   549

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tgtaatagaa tagtcactct cgtacttttg taaaatttat tttgtttata cttctcctaa   120

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caacttgcaa cgaacaatga agactgacgt attttctttc atttttcaat tgccgaatcc   240

tcttcgaagt tggtatgtcg gagacaccag agcagcaaat atatttacaa attctctggc   300

aaaatagaag gaaactgtcc aagattctga actgctttcc taattaagga attgcttcaa   360

cagatatgtt ccatcagaaa caagtttagt aattttcctt gtggaaaaca aatctagttg   420

tggttttggt ggaaaatttg gtgcacaact tcttcaattc tcttgctaat ttagatggtc   480

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<211>   486
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085c01a1

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tcttcataaa ctaaaatgag ttcttcatta gctaatttgt agaaactctc tcatatagct   180

tctctaaaag atgagaggac atctacaaat tagctaatga atggctattt tagtttatgg   240

agaaactaat tttttttttt tttatttctt tatcctagaa gtgcttttag agaaacttac   300

ccaaacaggt ccgtagtctg agccattgtt gaggtgaatt aagggagtct tttccattgg   360

gcaagaccaa cttccctaaa aaggaacagg taaaatttgc agacgctgtt tagctccatt   420

tgagttcatt cagaatgtac atgctataat tgtgtttcca ttcaagaact ccccgcactg   480

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<223>   Clone ID: jC-gmfl02220085c01d1

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atgtcaaggg gtaatgccat gcagctgtgc aaatgatacc ttatagggca aaagagttac   180

gtgagacata tagctaatta ctagccagtt cttgaaccaa caaataaaag tgaaaaccgt   240

tgtgagacat atcgatgtat ctaggccatt gcattggcat ttttcactta ctccaaatta   300

ctctttacat tttcattact aagaagcaca ccttaagtca gcaattgggt ctgtatttgc   360

tacttccata ttttaccctc aatgtgcaag cctctctata cttgctaatc acagtaacta   420

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<211>   557
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085c02a1

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aactttgaaa agccattctt atatttggcc aggaaacttg caggtgatcc taacttgcac   480

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cagcacgagg ctgagct   557

<210>   7438
<211>   527
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<223>   Clone ID: jC-gmfl02220085c02d1

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aatggctttt caaagttgta gttgctctta gctgaaatct catagtactg caaattcttc   360

ttcctgtgga atgtaacctg ctttgcctta acttgcctgt tcttgacatc aaccttgtta   420

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ccgcaaagaa caattgggat gttctcacag accctgcaaa gatcacggtg ccaggtggga    480

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<212>      DNA
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<223>      Clone ID: jC-gmf102220085c03a1

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gaaaggtgct tttctaaatg ggaaccctat aaaagtatca tcacaaactg aactaatgag    180

cgctcttctt gtgactgagg ttggaacaaa acgtgacaag ttaacaatag atgcctgtac    240

aaataggatc aatagcttgc ttttcaaggt gagatccctt cgaatgactg gctcctgtgc    300

tttaaacctt tgcggaattg catgtggaag gctggatgta tgctttgaac ttggctttgg    360

aggtccttgg gatgtggcag gcggtgctgt cattgttaga gaagccggag gtgttatatt    420

tgatccgtct ggtgcagatt ttgacatcac atctcagcgg gtggcagctt ccaacccttt    480

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aatgac                                                                546


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<223>      Clone ID: jC-gmf102220085c03d1

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tctgtattgt tattctattt tcttcttgta ttttttgttt ctgggttctt ttcttctgta    180

gctacttctc ttagtgtatt gggaaacgaa ttgtaaaatc aaaaactgct gcactatggg    240

cgcaatcgcg agcgttgacg atggtggcgc taatcgcggc cagcgtggcg ggggaggaaa    300
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agaaaaccag gacgctatga cgttggggag ggcgaagcac ggaaaaaagt actgcgaccg   360

agggcgggaa tgtacgggca ggtcaattca ctgcaggggg gggagtatta cagcagaggg   420

gcagaactac ccccggggga atcaaatgta aaagcggaac tccccaatgg cgcacgccca   480

cgaaccgggg gactacc   497

<210>   7441
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<223>   Clone ID: jC-gmfl02220085c04a1

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actaaaactt ctagataaca acgaacacaa gctatataat gaattcccac actaccacgc   180

agttcaaaat tattgcatac caataatttc aagaacccctt attaactttc actttcaaag   240

ggattggtac aacaatatca tatgctaata aatataatct taagatgaag aagcaggttt   300

gggagatggg ttgaaaggaa cctgctcagc gcatgtaagg atttcatggg gcccagcctg   360

tgctcgacca acacctagaa ggtcaagata atactggtga tgggaaacga tattgatcat   420

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<223>   Clone ID: jC-gmfl02220085c04d1

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cgttgctgat ggtggtgcta ttctcggcga gtgtggtggt ggtggctcag ataactcgg   180

acgtgaagac gctggtgatg cacatgcgcg ggaagaagta ctgcgacaaa ggacgggaat   240

3317

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gtaagggctg gtcaattcac tgctgtaacc tcactattac tgattatttc ctgacctacc    300

agttcgagaa tctcttctcc aagcggaact tcgcggtggc gcacgccgtt ggattttggg    360

actaccac                                                             368


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<223>      Clone ID: jC-gmfl02220085c05a1

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gggaatcaat agttccacag atgcactcaa taaaattagc cccctaccag agctcaagga    180

tatctttcgc actgatggcg aacacctgct caagtttgca ccacctcatg tcagcgaagt    240

tagtaaacac tgcatggatg actgatgatt aatcaggaag agagatgctt gatggcgttg    300

atgcatgcct a                                                         311


<210>      7444
<211>      456
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220085c05d1

<400>      7444

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agacttacat acgggtgaac atgatacggg tgaacatgat aggagcacaa tactatacat    120

aaaaactgac acaacaccct attagatatg aaaaactaga tagcatccaa ttacaaaact    180

taagcataca taagaaaatt atgcacacat aagtttgcac gtacatctgc caatgagagg    240

tacgttggaa ggaaagaaaa ccacacacca cacaccacac actctcatta gatagagatg    300

ctgttgggaa ttcctctgaa agtaaggtct tccccactgg taggaagaaa cacagtgtaa    360

ggcatctgcg ccggtgcatt acggatccta aagcttgaat tcttgttcct ccctgagata    420

ttgacctcaa tctcctttaa ctagggtcca aactta                             456
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<210>      7445
<211>      397
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220085c06a1

<400>      7445

atgaattcta gcattggttt gtttggcgaa caaagaatgt ctatataaaa tgggcgaggg   60

ggcccataag agacctaatt gcctcaaaca agggcttaac tgacaaagac atgctccaat   120

gactactaca ttgagatctg aacgaacagc cgctatttaa cgaactccta cgctgcctcg   180

cagaggagaa agaacggatt cgaatgatct caagagcgga tatttgcaga cactttgaaa   240

cggaccgggc catcggtcct ttaaggatac aaaaagggat tttagatgaa caatacccgg   300

tcaggatccg agttgccagg aacgtggtcg agaaatgtgg gggtttcttg gggtccggac   360

taggaacaac catcaccagg aacgtctaga aaatgct                            397


<210>      7446
<211>      317
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220085c06d1

<400>      7446

agtcggagga acggacttta tttatatttt tctgatgaat catcattatc aacgatactg   60

tacctggggc tatttctgtg cgacaccaga ggatagagcc tacggccaag cgaaatactg   120

cagatcgcct atcccggcgt agcagaaggt ggcgctattc tgggcgagtg aggtgctggc   180

ggctctggat aacttggacg tgatgacgct gatgattcac attcgcggta agactttctg   240

tgactaagga agggaatgca agggcgggtc aatacactgc tgttgcctca ctataattga   300

atagttccag acctacc                                                  317


<210>      7447
<211>      329
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220085c07a1
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3319

<400>　　　　7447

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ggcccgttac gatccttaat acctcaaaca aattcttcat gacatctgat gttacgaatg    120

actagaaatt ataggtagca acgaacagcc atctatttaa tgtaatacca ccctaccagg    180

cggtttaata ttattggata cgaaggctct ctggaacgat tgtttacttt tgctttcaat    240

gggacaggta cctaagtccc ttaaggtcat aaaaatgatt tctacatgaa caaagccctt    300

tggaagaagg ttagaaatga acctgctca    329
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<210>　　　　7448
<211>　　　　339
<212>　　　　DNA
<213>　　　　Glycine max

<223>　　　　Clone ID: jC-gmfl02220085c07d1

<400>　　　　7448

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tttattttttt tttttatgt cgagtatcat tttattcgat tactctgcgg ggtgtttttc    60

tgtgcgactc catgtgatag agacgacttg cgaagcgtaa cgctgaaaaa tgtgccaatc    120

cctgcgttgc tgtttgtggt gctaatctct tcaagttgtt gtggtggtgg ctcaggataa    180

ctaggacgtg atgacgctgg tgaagcacac tgctcaggaa gaacttctgt gactaaggac    240

ggtaatgtaa gggctggtga atacactgtt gtggcctcac tattactgat tatttgccga    300

cctaccagtt gtggaatctc ttatgaaagc ggtactctt    339
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<210>　　　　7449
<211>　　　　458
<212>　　　　DNA
<213>　　　　Glycine max

<223>　　　　Clone ID: jC-gmfl02220085c08a1

<400>　　　　7449

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ctgaattttt ttttgttttt ttttggcagc caaggaatgt atatataaaa ataacaaagg    60

cgcccataac ggtcatatat gccagataca aatttttcac gacatatgat attacaaatg    120

actaaaactt ctagataaca acgaacaaaa gctatataat gaattaccac actaccacgc    180

agtttaaaat tattgcatac caataatttc aagaacgctt attaactttc actttcaaag    240
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ggattgggac aacaatatca tatgctcata aatctaatct taagatgaag aaactggttt    300

ggaagatggg ttgaaaggaa cctgctgagc gcatgtaagg atttcatggg gaccagtctg    360

ttctcgacca acacctaaaa ggtcaagata atactggtga tgggaaacga gattgttcat    420

cgagtccaca tgaccttgtt cacaaacacc atccccat                            458
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<210>   7450
<211>   372
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085c08d1

<400>   7450

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ttgatctata actagtagat cgagtattat tttatcgatt ctctcccttc tctttctctg     60

tgcgacacca gatgatggag acgacggcga agcgaaacgc tgtcgttgcg ccaatcgcgg    120

cgttgttgat ggtggtgcta ttcgcggcga gtgtggtggt ggaggctcag gagaactcgg    180

acgtgaagac gctggtgaag cacatgcgcg ggaagaagta ctgcgacaaa ggatgggaat    240

gtaagggctg gtcaatttac tgttgtgacc tctctattac tgattatttc cagacctacc    300

agttggagaa tctcttgtcc aagcggaact cgccggaggc gcacgccgtg ggattttgag    360

actaccactc gt                                                        372
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<210>   7451
<211>   349
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085c09a1

<400>   7451

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ctgaaatttt ttttggtttt gtttggcagc caaggaatgt atatataaaa ataacaaagg     60

cgcccataac ggtcatatat accagataca aattttttcac gacatatgat attacaaatg    120

actaaaactt ctagataaca acgaacaaca gctgtataat gaattaccac actaccacgc    180

agttcaaaat tattgcatac caatgatttc aagaacgctt attaacttc actttcaaag    240

ggattggtac aacaatatct tatgctcata aatctaatct taagatgaag aagctggttt    300

ggaagatggg ctgaaaggaa cctgctgagc gcatgtgagg atttcatgg                349
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3321

<210> 7452
<211> 469
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220085c09d1

<400> 7452

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cgttgtcgat ggtggtgcta ttctcggcga gtgtggtggt ggaggctcag gagaactcgg   180

acgtgaagac gctggtgaag cacatgcacg gaagaagta ctgcgacaaa ggatgggaat   240

gtaagggctg gtcaatttac tgttgtgacc tcactattac tgattatttc cagacctacc   300

agttggagaa tctcttgtcc aagcggtact cgccggtggc gcacgccgtg ggattttggg   360

actaccactc gttgatcgcc gctgacgcgc ttttcgagcc gcaagggttc ggcaccaccg   420

ggaacaagac gatgcagatg atggagattg cggcgttcct cggacacgt   469

<210> 7453
<211> 353
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220085c10a1

<400> 7453

agaagaagct ttatataccg atgaaagaat accctggtta caatttcatt gggcttatta   60

ttggtcctcg aggtaacacc cagaagcgga tggagaaaga aactggtgct aaaattgtga   120

ttcgtggtaa gggatcggtg aaagagggta ggcttcagca gaagagggat ttgaaacctg   180

acccttcgga gaatgaagat ttgcatgtgt tagttgaggc agagacaccg gagtcgcttg   240

aggctgctgc gggtatggtg gagaagctct tgcagcctgt ggatgaggta ttgaatgagc   300

ataagaggca acagcttaag gagcttgctg cgttgaatgg gacgatcagg gat   353

<210> 7454
<211> 211
<212> DNA
<213> Glycine max

3322

<223>   Clone ID: jC-gmfl02220085c10d1

<400>   7454

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gggccaagga ggaaaccacc gggggggggc acccgaacaa taatggccaa gaaaacccgg   120

acgcagggggc ccaaaaggac cccaagaatc ccggagggggg acacatgtac cccgactacg   180

ggaagcgctc gaggcgaggg ggggaaacaa a   211

<210>   7455
<211>   469
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085c11a1

<400>   7455

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acttcttcct ccactggcca atcactggac gccacggggc aggcaaagat ccgttgggtg   120

caaaagaatt acatgattta caattattgc actgatatca gacgtttccc tcaaggcctt   180

cctccagaat gctccattgc atgagaatat ttaattcaat gttgcatatc attataaaat   240

gatcctcatg aacgtgacac acatgtgttg cctattacgt taatttactt tcttgtgtaa   300

attaatgcaa ctaaaactgt tattattgtt ggtttgtgct ttgttgagca ctactccatt   360

gtttgtggcg aaagataatt atagcgtgca aaattatatt catggcagtg tatatgtgct   420

gaaattgtaa agtattttca ttaataaaat tgttggagtt ttattattc   469

<210>   7456
<211>   432
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085c11d1

<400>   7456

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actgccatga atataatttt gcacgctata attatctttc gccacaaaca atggagtagt   120

gctcaacaaa gcacaaacca acaataataa cagtttttagt tgcattaatt tacacaagaa   180

agtaaattaa cgtaataggc aacacatgtg tgtcacgttc atgaggatca ttttataatg 240

atatgcaaca ttgaattaaa tattctcatg caatggagca ttctggagga aggccttgag 300

ggaaacgtct gatatcagtg caataattgt aaatcatgta attcttttgc acccaacgga 360

tctttgcctg ccccgtggcg tccagtgatt ggccagtgga ggaagaagtt tgggaatcga 420

agtctctgta tg   432

<210>   7457
<211>   595
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220085c12a1

<400>   7457

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gttagctgcc aagggactca tcctgccttt ccttccaagc aagcactggt ccagcgtgat 120

atcaacattc tcccagaccg agacagacat tctttcactg aatcctatat gctcaggaac 180

agaatttgaa agacgaaaca gaaatggata tatggatcca attagcgcca tgacggctac 240

agtggttccg gtgcaaagtc caagtacacc cagccacaat gttattgaaa gaagagatcc 300

tagaacctgg ggggcaggtg caagttcaca tattgaagtg gaaggtaaat ggctaaaggg 360

gcacaacaag gctgggctta aaaaagagct aaagatgtta agggagcttg caaaagctag 420

cttctctggg gacacaaggg ttgatgaagc cagtaccagc tacactntag gggaacaaca 480

acattcatca ggtgaaatct atttgggtat ccaaagcgaa gtattactga cactaatgca 540

taanggccat acatcaccac atcctactng ggaagatttg gaaaatgcta atact 595

<210>   7458
<211>   265
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085c12d1

<400>   7458

ggggggggaa aaatattaaa aaatttttag ggaaaaaatt caccaaaaaa atggggggggg 60

aacaaggggg gggcccttta aaaagaagt aaaaaaaga taggggccca aaaaccccaa 120

3324

aaaaaacctt ccaaaaaaag ggggggaaaa aaaacggga aacgagaagg aaacgggatt 180

tccaaaaaat ccccaaaggg aggggggga agttgggccc ctaaggcaat ggggtgaaaa 240

aaccccgtct tgggaacaac ccaaa 265

<210>   7459
<211>   340
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085d01a1

<400>   7459

gccaattgtt cttggtaggg ccgcctattt gtttcagcaa gaattattgg atttcatgca   60

aatttgtttg gacacaagac aaaattcttt ttgctttggg aggacattga agacatccaa 120

atcattcctc ctacattttc atcgatgggc agtccgataa ttgtcataac tctttggcca 180

ggaagaggtg tggatgcaag gcatggtgca aaaactcaag atgaagaagg cagactgaaa 240

ttccggttcc agtcctttgt gtctttcaat gttgcaaaca ggactatcat ggctctctgg 300

aaggccagat ccttgagtcc cgagcaaaag gtccagttag 340

<210>   7460
<211>   497
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085d01d1

<400>   7460

gagatataaa cttgatgaag taaccaggcc ccaaaattgt ttacaacaat caaaacttct   60

cttacaatga ccgagttaac attttgtcaa ctataccttg gaagcaaaga caacagtagc 120

catgccacat gatactggac cttcgttaat cgttaagaaa ataccgagtt aacaaaccca 180

aatctggact gctagtagca actgttgatg caatctgagt atcttctgtg attttatagc 240

cattgaaaga aaagtaaaat ctaccacagt cagatccaga ggtcacgctt agattacatc 300

actagcaggc ttgctccact gatatttagc acaatcacat ggaccttact cagagaccac 360

atattccagt cccagctgaa gaatggggat aatatttgtt ctgaaagaac ttccctaatt 420

gaacgagatc atattcagta tgttgattca ttctttattt agacaaaaac tccttctcaa 480

ccagactgaa tgtcagc   497

<210>   7461
<211>   469
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085d02a1

<400>   7461

aaagaaagta aaagggtgga ttgcttggct gttccaatta ggaaagctag ggcctatgcg   60

ggtaaccctg tttacaagca cttttaagat aaattaatga gaggaaaaat aagacggact   120

tcttcataaa ctaaaatgag atcttcatta gctaatatgt agaaactctc tcatatagct   180

tctctaagag atgagaggac gtctacaaat tagctaatga atggctattg tagactatgg   240

agaaacgtaa cagtcttttg gttatttctt gatgctagaa gtgcttttag agaaacttac   300

ccagacaggt ccgtagtctg agccattgat gaggtgaatt aagggagtca ctttcattgg   360

gcaagaccaa cttgcgtaga gaggaacagg ttaaatgtgc agacgctggt tagctccatc   420

ggagttcatt cagaaggtac atgctataat ggcggttcca ttcaagaac   469

<210>   7462
<211>   340
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085d02d1

<400>   7462

gagatataaa cttgatgaag ttaccaggcc ggactaaatg gctcatcacc caacacttat   60

ataaccttga ccgggtttgc ataatgcctg caaacaaag cgagcctgga gatgagaaag   120

cgcgccccca gaaagtggac caaagaaaat tgtcaagagg tacggcatg cacatacccca   180

aatgatacct gatagggca aatggtgacg cgagacaaat atctaatgag atgccagagc   240

ctgagccaga aaagtaaagt gtaccccggt gagagacata gggcaggctt taagcccatg   300

actagcaagt ttgcaccaac gacaaataac acattaccat   340

<210>   7463
<211>   563

<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220085d03a1

<400>   7463

cggacacaca aaaaaagaaa gtaaaaaaga aaaccctaga ggagaagaag ccaaaaaaaa   60

gaagccaaaa aaaaggctcc aaagatgggt ttcaaaagct cttctcttct atgcctagct   120

cttttgcttg catgctcttc ggctattcat gcctttgaca tcacacaact gctaggccaa   180

tatccagagt tttccacatt caacaaatac ctaacggaaa ccaagctcgc agacgaaatc   240

aacagccgca acaccatcac tgtcctcgcc gttgaagact cagccatgaa ttccattgct   300

gccaagtccc cagaagccat taaggccatc attagcaccc atgtcatcct tgacttcttt   360

gatgagaaga agctcatgga agctcaagct aatagccaac agttgacaac cctattccag   420

gcctcaggca ttgcagtgaa ccaacaaggc ttcctcaagg ttgcactcgt cggcgaaggc   480

gagatncgcc ttcgctcggc cggagtggcg ccccagtcga cgccaccgag ctcatgagga   540

ccgcaccagc gagccctaca aca   563

<210>   7464
<211>   540
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220085d03d1

<400>   7464

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agcaacggga gcattggctc cttgtgagga ttgtgcacca gatgatgagg ctggggtttg   180

tgaatcaaca cctgggacta ggatgggttt ggtgacttgg agaatggaga tgttgtaggg   240

ctcgctggtg acggtcctca tgagctcggt ggcgtcgact ggggcgccac tcacggccga   300

gccgaaggcg atctcgcctt cgccgacgag tgcaaccttg aggaagcctt gttggttcac   360

tgcaatgcct gaggcctgga atagggttgt caactgttgg ctattagctt gagcttccat   420

gagcttcttc tcatcaaaga agtcaaggat gacatgggtg ctaatgatgg ccttaatggc   480

ttctggngac tcggcagcaa tggaattcat ggctgagtct tcaacggcga ggacagtgat   540

<210>   7465
<211>   381
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085d04a1

<400>   7465

cttcgtggtt ttttttttgt tgttcgcact caaggagggt atatcttggg cttgcttatc   60

agtccgtagg gtgccttggt accgaacacg ctatacattg gacgtgatag agcgaaaatg   120

actgaacact atctatgcgg caatggctga agctgttttt ttaatgactg aagtactatg   180

tactgtaata aatgcggact ccaatccttt aaagagactt tagcaaatta agctttagac   240

tgtacaggaa ctacgagtcc atgcggtgct taatatatta tcatgaggac acaacacgtt   300

tggagcaaca agcgtgagga acctgctcga aacttttaat gacactatgg tgaccccctat 360

gcatgtgatc gacatgtaca t   381

<210>   7466
<211>   378
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085d04d1

<400>   7466

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ggcgttgttg atggtggtgc tattctcggc gagtgtggtg gtggaggctc atgagaactc   180

ggacgtgaag acgctggtga agcacatgcg cgggaagaag ttctgcgaca caggatggga   240

atgtaagggc tggtcaattt actgttgtaa cctcactatt actgattatt tcctgaccta   300

ccagttcgag aatttcttct ccaagcggaa ctcgccggtg gcgcacgccg tgggattttg   360

ggactaccac atcgttca   378

<210>   7467
<211>   335

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220085d05a1

<400>   7467

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tacgaccttt agatatgcac caccaaactg cgataaacgt attcatacag ttcctctcag   180

agcagaaagg acgtctacca attactctaa gaacggctat tttcgttcac ggtgaaacgg   240

actgggtcag cgataactta tgcacacaaa acggatttta agataaagaa acccgtttgg   300

acaaagggtt gaaaggctcg tgctcggaaa atgag   335

<210>   7468
<211>   487
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220085d05d1

<400>   7468

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gatgcctcaa cttatgtcgn ngcggccggc cctcttgatt tattattctt tgttgatcgt   120

agtaattatt ttcattcgat aactataacg tactcttttt ctgtgcaaca ccagatgata   180

gaaacgacag gcgaagtcga aactgctgta agaagcgcca atcgcggcga tgcagaaggt   240

ggcgctattc tcggcgagtg cggtgttggc ggctcaggag aactcggacg tgatgacgct   300

ggtgaatcac atgctcggga agaagttctg tgacaaagga tgggaatgta agggctggtc   360

gataaacatg cgtgccgtca ctattactga ttatgccccg acctaccagt tggagaatca   420

tctgtcgagg cggaactctc cggcggcgca cgccgctgga tttcgggact accactcgtt   480

gatcgcc   487

<210>   7469
<211>   452
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220085d08a1

<400>   7469

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cggccgttac ggtcatatat accagataca aagttttcac gacatatgat attacaaatg   120

acataaaact tctagatagc aacgaacaac agctatataa tgaattacca cactacttcg   180

cagttcaaaa tgattgcata ccaataattt cgagaaccct tattaacttt aacttttaaa   240

gggattggta cgacgatacc atatgcgcat cattctaatc ttaagatgaa gaatcacgtt   300

tgaaagatgg gtcgacagga acctgcttag caaatgtaag gatttcatgg ggaccagact   360

gtgttcgacc aacacctaga aggtcaagat attctggtt gtgggaaacg atattggtaa   420

tcaagtacaa atgaccttgg ccacagacac ca   452

<210>   7470
<211>   312
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220085d08d1

<400>   7470

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cgttgttgat ggtggtgctt tttccggcga gtgtggttgc ggttgctttt gagaactcgg   180

acgttatgac gctggtgaag cacatgcacg ggaagaagta ctgcgacaaa ggatgggaat   240

gtaagggctg gtcaattcac tgttgtaacc tctctattac tgattatttc cagacctacc   300

agttggagaa tc   312

<210>   7471
<211>   429
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220085d09a1

<400>   7471

gaagcagaag ggttcctcac tctcttcatc tgattgaaca aaatgtacac ctcgaggaag   60

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aaaattcaca aggataagga tgccgagccc actgaatttg aggagacagt tggacagtac    120

ttgttcgact tggagaacac caatcaggat ctgaaaagtg acttgaaaga tctctacata    180

aaccaagcta ttcaaatgga tgtggctggt aatcgcaagg ctgtagtcat ctatgtgcct    240

ttcagattga ggaaggcatt ccgcaagatt catcttcgac ttgtcagaga gttggagaag    300

aagtttagtg ggaaggatgt tgtcttgatt gccacaagga ggatcgtgcg accgccaaag    360

aaaggctctg ctgttcagcg accccgaacc cgcactatga ccgctgtcca tgatgccatg    420

ctggaggat                                                            429
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<210>   7472
<211>   362
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220085d09d1

<400>   7472

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aaacaaaaaa agcccggggt caattttttt cctaaaggga accccttcta aaccccattt     60

tttcccccca gaaaacccc cccccttggg ggctttaagg gccccagggg gaaaaaccct    120

aaaataaaat tcccaaaggc aaaattttgg gttttggtca ccaaaaatat ggttttccaa    180

caaaaaaatt tgccaaaaaa acaattcttc tttaaaccaa gccccagctt tccgggcttc    240

ggagatggga tccccaaaaa ccccattttt tccaaaaagc ttcctgtaac ccccaaaaaa    300

gggccccccc tctgcccccg gggtggggcc ctccctgggg ccccaaaaac cctctttttt    360

tt                                                                    362
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<210>   7473
<211>   419
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220085d10a1

<400>   7473

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ggagtgtctt tgtttccttt cttgccctgt atgatatgag tgcttgattc gttgtcttca     60

aatcctgcaa ggccagagga agcaatcaac tcaaacgaca ccatgtctgg aactatgtct    120

cctaaaggtt ctttcaagaa gaaagcaatc aatgcctcta acatgctgag gaattctttg    180
```

gcatgttggg aatcgcaccc tacatttccc aaaaggcttt ctgaaatctg aagcccaatc 360

acgtgaagga tggcatcaat ccatt   385


```
<210>      7476
<211>      490
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220085d12d1

<400>      7476
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gattaatatc aaatctcaac ctcaatcatt atttaatggg taagtaaaat gcgagaacaa   60

atctatctat ttgctatatg catatcccat caatattgca aacaatttaa actacttatt 120

ctcactctta tcccccaact caatcccaaa agagagggac tggtaaacaa tccttaaatt 180

tccaaaactc atcacacatt gttagggatt acatattggt tacatatatg atgctgcata 240

tcataccttc aggggttatt aatatattaa tctatatact aagactaaac ttcagtaaat 300

gcatgtttgg tatcgcaccc tacatttcca aaaaggctat aagaaatctg aagcaaaatc 360

acgtgaagga tggcatcaat ccattcacag tttcatctag ggaaacgatg cttggtgagt 420

ccaataaagt aggcttcctt atccagtatt gctgaaacct ctgccttgca tactccttat 480

agtcaaaatc   490


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<210>      7477
<211>      476
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220085f01a1

<400>      7477
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cgaagaaggt attgacgtcg atgatgaaaa tgaaattggt gaaaacatta ctgcttctcc   60

tttgtgtgaa actcttctgt tatgcagtga ttggtgctcc tcaaacttgt cctgctaaca 120

atgaggataa atgcggcgat tcagatgaat ggaaagggga gtttttccct gacattccca 180

aaattaaata tgagggtccg tcaagtaaga atgtgctttc atttaaatgg tataatgcag 240

aggaggaaat tcttgggaag aagatgaagg attggttaag atttactgtt gcattttggc 300

atacattccg tggaacaggt gctgacccat ttggtgcacc taccaaatac tggctatggg 360

aagatggtac caattcatta aacatggctc atagacgaat gagagctaac tctgagttca ' 420

taagcaaact ccgtgttgac tttaggtgtt tccacgacag ggatatagcc cctgat   476

<210>   7478
<211>   529
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085f01d1

<400>   7478

gaaactaaaa ttaattaact caagcatgct caaagccagg gaagctatgc atcacgtagt   60

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tcacacttat attttcccaa ggaaaacgaa gcaggcataa gtcaatctta atttcctttt   180

attagtaaac ctaattatac cgaattgttc ctaatataat agacgaaaaa tagccaccac   240

acacggctag attctacttt ctacagaaca gattggagga tcatctcggc tagctcctgt   300

ttcgcagaag caacctttgg ttctccccat tccttgacct tcttctcaag cagttcaaag   360

tcagccttac cagcctctat ttgagcccca atttcagtgt caaaactctg ataacgctta   420

cgaacaagct cagcaagaga accatcctca atcaacttgg cagcattcct caggccacgg   480

gccagggtat ccattccaac aatgtgggct atgaacaagt cttcaacat   529

<210>   7479
<211>   544
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085f02a1

<400>   7479

gccggatttc tccaactcgg tgaaactcaa gtacgtgaaa ctagggtacc aatacctggt   60

gaaccacatt ctgactctca ctctcatacc catgatgatc gccatcttca tggagattct   120

acgcttaggc cctgaagaga tcctgaacct ctggcactcc ctccacttgg accttgtcca   180

aatcctctgc tccgccttcc tcatcatctt catcgccacc gtctacttca tgtccaaacc   240

ccgcaccatc tacctcgtcg actacgcctg cttcaagcca cccgtcacct gccgcgtccc   300

cttcgcaacc ttcatggaac actccaggct catccttaaa gacaacccta agagcgtcga   360

gttccaaatg cgtattctcg aacgttccgg tctcggtgaa gaaacatgtc tcccccagc   420

aatccactac atccctccca agcccaccat ggaggccgcc cgaggagaag ccgaacttgt   480

tatcttctcc gccatggatt ctttgttcaa caaaacaggt ctcaagccta aggacataga   540

tatt   544


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<210>      7480
<211>      440
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220085f02d1

<400>      7480
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aaagcaaagc cctttttaca tttcaaggcc taattacaag ctttccaata attgggcaag   60

caaatacaaa cttgaaaaaa aaaccgggtt ttccttacgt acatgtggcc caaattcatg   120

aataaacccc gaccccctcc cagttgggga acgatttctg ggctaattca caagaggccc   180

atgtaattgt tttgaaataa accgaaaaaa aaattttttt ttaaaagggg gatttgattt   240

atgataaaaa accccatttg actgacaaat gagagaaatt tgggggacgg cttcggggag   300

caaataaaga agggttatga gaacccatct attttttttt ttcataaaaa aagcaattat   360

cttttttggtt ttgaacaatt ctccatccta gagcttaacg atcccaggaa tatcgaccgg   420

gtaacgaaca atgcaatcag   440


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<210>      7481
<211>      150
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220085f04a1

<400>      7481
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ctttttcatgt ggtaatttga cattttatca atatgatcat tattattgcc atttgtgtat   60

ttaacattca ttaattgtaa tggaaataaa tatcactctt ggctgaggtt gcaattattt   120

agatctatct gtttattaat aagtcatttt   150


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<210>      7482
<211>      150
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3335

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220085f04d1

<400> 7482

aaaatgactt attaataaac agatagatct aaataattgc aacctcagcc aagagtgata   60

tttatttcca ttacaattaa tgaatgttaa atacacaaat ggcaataata atgatcatat   120

tgataaaatg tcaaattacc acatgaaaag   150

<210> 7483
<211> 484
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220085f05a1

<400>   7483

gcgacgccgc tcctaaccct aacgcgacta ccaaaccctc cgtctacctc caagacacgg   60

aggagctgaa gcgagtcttc agccgcttcg acgctaattg cgacggcaag atctccgtca   120

ccgagttgga caacgtcctc cgctccctcg gatccggcgt cccgccggag gatatccagc   180

gcgtcatgga cgacctcgac accgaccacg acggattcat taacctctcg gagttcgccg   240

ccttctgccg ctccgacacc gcggatggcg gcgacgccga gctccacgat gctttcaacc   300

tgtacgatca tgacaagaac ggccatatct ccgccacgga gctctgccag gtgctgaacc   360

gcctcggaat gaagtgctcc gtccaggaat gccacaacat gatcaaattc gtggattccg   420

acggcgacgg caacgtcaac tttcccgagt tcaagcggat gatgagcaac aatcgtgaaa   480

atgc   484

<210> 7484
<211> 402
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220085f05d1

<400>   7484

ccccccccg gccttttttt ttttttcaag ggggttggg ccctccccccc cccttttata   60

aaccaaaaac ccaagccccc caaagggggtt tttttcccccc cttggcaccc tttcccccag   120

3336

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ggggggccccc cccccccccta accccggggga aaatgacctt cccccccccc ccgaaacccc    180

cgggttttac ccttgggggg ccccccccgg ggggggcccctt ttttccggggg ggggcccccc    240

cccggcaaac cccccggggg gaaaaatggc ccccctttc ataaccccccc cgggggaaac      300

cccttggggc ccccgcccccc ccccccccccc cgggtgctga cccccccaag gcggcccccc    360

ccccgggggt aaagcacccc cccgggggcgg ggggaagggc cc                        402
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<210>   7485
<211>   386
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085f06a1

<400>   7485

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cttaattctt tttttatatt ttttggcgag caaagaatgt atatataaaa agaacaagcg     60

ggcccgtatc gttcatattt acctcataca aatcttcacg acatatgatt ttccattact    120

aaacttctag atcgcaccaa caccatctat atcatgaatt accacgctgc atctcagtgg    180

aaaatgattc aattcgaata atttcaagaa cgcttattta ctttcacttt caaagggatt    240

gagaccacga tatcgtatgc tcttaaatct ctacttaaca ttcagaaacc tgtttgaaaa    300

atgggttgac atgcacctgc tcagccaatg taaggattta atggggcccg agtctggtgc    360

aaccaacacc tccaccgtta atataa                                          386
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<210>   7486
<211>   402
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085f06d1

<400>   7486

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tttatttata tcttttagac ggagcatgat ttatcgatt atatcccttc tctttctctg     60

tgcgacagca gatgatggac acgacggcga agcgagacgc tgtaaatgcg ccaatcgcgg    120

cgacgacgat ggaggtgcta taccccgcga gtgcggtggt ggcggctcag gagaactcgg    180

acgtgaagac gctggtgaag cacatgcgcg ggaagactta ctgtgacaaa ggatgggaat    240

gtaagggctg gtcgatacac tgttgtgccg tcactattac tgattattac cagacctacc    300
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agttggagaa tcacttctcc aagcggaact cgccggcggc gcacggccgt ggattttgtg   360

actaccactc gttgatcgcc ggtgtctagc ttttcttgcc gc   402

<210>   7487
<211>   408
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085f07a1

<400>   7487

cttaattctt ttttgatttt gtttggcagc caaggtgcgt atatataaaa agaacaaggg   60

cgcccgtaac ggtcatatat gccagataca atttcttcac tgacatatga tgttacaaag   120

gactaaaact tctagagagc aaccaacacc agctgtatta tgaattacca cactgccact   180

cagttgaaaa ttattgcata cgaatgattt aaagaacgct tataaacttt cactttcaaa   240

gggactggga ccacgatcac gtatgctcat caatctatac tctagatgaa gaaacctgtt   300

tgtaagatgg gttgacatga acctgctgag cccatgtaag gatttcatgg ggcccggtct   360

gtgatcgacc aacacctgca cagtcaagat aatgctggtg gcgggaaa   408

<210>   7488
<211>   448
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085f07d1

<400>   7488

ttgatctata tctattagat cgattatgat tttatcgatg ctatcccttc tctttctctg   60

tgcgacggca gatgatggag acgacggcga agcgaaacgc tgacgttgcg cacaatcgcg   120

gcgactgcga tggtggtgct attctccgcg agtgcggtgg tggcggctct ggagaactcg   180

gacgtgaaga cgctggtgaa gcacatgcac gggaagacgt actgtgacac acgatgggaa   240

tgcaagggct ggtcaataca ctgtcgtgcc ctcactatta ctgattattt ccagacctac   300

cagttggaga atctcttatc caagcggaac tcgccggctg cgcacgccgt ttgattttgg   360

gactaccact cgttgatcgc cgctgtcgcg cttttctagc cgcaaggatt cggtaccacc   420

tggaacaaga cgatgcagat gatggaga   448

<210> 7489
<211> 427
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220085f08a1

<400> 7489

cttaattctt ttttgatttt gtttggcagc caaggtgcgt ctatataaaa ataacaagcg   60

cggccgtaac ggtcatgtaa acgagaaaca atttttttcac tgacatatga tgtttcaatg 120

actaaaactt ctagagagca acgaacaaca gctatgtcat gaattaccac actgctactc 180

agttcaaaat tattggatac caatgattta aagaacgatt ataaacttta actttaaaag 240

ggactgagac cacaataacg tgtgctcatc atgctctact taagatgaag aaaccggttt 300

gtaagatggg ttgacatgaa catgctgagc aaatgtaagg attatatggg ggccagtctg 360

gatcaaccaa cacctgcacc gtcaagataa tgctggtgac ggtaaacgat atgggtcatc 420

aattcca   427

<210> 7490
<211> 315
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220085f08d1

<400> 7490

ttgatctata tctttttagat cgagtatgat tttctcgata ctctccctac tgtttctctg   60

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gcgctgacga tggaggcgct attcgcgcgc agtgcggtgg tggaggctca ggagaactcg 180

gacgtgaaga cgctggtgaa gcacatgcac gggaagacgt actgcgacaa acgatgggaa 240

tgtaagggct ggtcaataca ctgttgtgac ctcactatta ctgattatta ccagacctac 300

cagctggaga atctc   315

<210> 7491
<211> 401
<212> DNA
<213> Glycine max

3339

<223>   Clone ID: jC-gmfl02220085f09a1

<400>   7491

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gggcccgtaa cggtcatata aaccagatac aatgtcttca ctgacatatg atattacaaa   120

tgactaaaac ttctagagaa caacgaacaa cagctatatt atgaattacc acactactac   180

tcagattaaa atgatccgca tacgaatgat ttagagaacg cttataaact ttcactttaa   240

aagggactga gaccacgata acgtgtgctc atcaagctat actttagatg aagaaacctg   300

tttggaagaa gggttgacat gaacctgctg agcacatgta aggatttcat ggtggccggt   360

ctgtgatcga ccaacacctg caccgtcaag ataatactgg t   401

<210>   7492
<211>   394
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085f09d1

<400>   7492

tttatttatt tcttttagat cgagtatgat tatatcgatt ctctcccttc tctttctctg   60

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gcgtctgcga tggaggtgct attctcgccg agtgcggtgg tggcggctca ggataactcg   180

gacgtgaaga cgctggtgaa gcacatgcac gggaagacgt actgtgacaa aggatgggaa   240

tgcaagggct ggtcaattca ctgttgtgac ctcactatta ctgattattt ccagacctac   300

cagttggaga atctcttgtc caagcggaac tcgccggcgg cgcacgccgt tagattttgg   360

gactaccact cgttgatagc cgctgccgcg cttt   394

<210>   7493
<211>   285
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085f10a1

<400>   7493

cataaatctc ttttgaaaca aactgtcgct cattatgcat cctgacaaaa tgctgaagca   60

atacatttgg tgtggtgtga aagagaacaa ccatccgaga ggcttaaaac atatctgaat   120

aatattgcgg ttttgaagcc acaaacagct catataccaa aatttacatt ttacactcgt   180

gcatatggtg agccaaacag catgtttaag cgaatccaga acctcttgac atatgcaatg   240

ttttgagacg acgatgatgt gggtgctcca tgctctactc tagat   285

<210>   7494
<211>   438
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085f10d1

<400>   7494

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taggcaacgc cagatgatgg agacgactgc taatcgacac gctgacgttg tgccaatcgc   120

ggatatgctg aatctatgtg ctatgcgcgc cgagtagagg ccaacgtgtg caagcacagc   180

caggacatct ggacgctgcc aaggaacgac ttgagaaggc atgtgctgaa gccagggtgg   240

acttgtacgg tctgacagat gctactgagg caccactgta tgactaacgc gctgctgacc   300

tatgagctgc tgcatatgct ctagaccgag atatggaaaa ttgcgcacgc catcggactg   360

catcactatc cagagaatgt cgacggtgac gagcatctga cactgtctgg ggacgacccg   420

actcttaatc ctacgata   438

<210>   7495
<211>   543
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085g01a1

<400>   7495

gaaaaacatt atagcttccg agttaatttt ctaagttaat ctggttgatt gctgaaatgg   60

aatgcctata tcttagagct caaaatttgt tgggactttg tgtctttgag gttcctttga   120

ttaatttcaa tttactacga gtgaagtagt tctgttagta tgaaatttca ccttatgccg   180

aaggagaggg tagtttcctt tcgtttgagg ctcagtgcat gtttggattt gccttgttat   240

ttgtttgaaa atagcttatc accaaaatgg tgttaagcaa aacttatttt ggatcaatgc   300

aatgctgctg tccctgatct tacattttgg gtaatgcttt ctttctatct tcagatgcaa 360

gtcatgcaac catgtcacta ccactgatga tgtcgaggat tgggtgtacc accaattaga 420

gaacacgact catcttttac atggcgtagt acacaccaat ggatatgggc acctttcttc 480

ggttaatggc agagaagggg gctctagatt tctttctggt attcatatta tggatttctg 540

gga   543

<210>   7496
<211>   496
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085g01d1

<400>   7496

gaactgaaga aaagaaagtt gaatatgctc acatttcccc tctccaccct tcacaggtta   60

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ccccgtccct gaacctacta cctctaaggc ctatctgtgt tatgtacagg tactttcagg 180

ccaaagcaaa ataaacagaa gaaaaaggag cttttcatac acatcttatc tgactaatta 240

aataacatca gatggcactg gcaagccgtt tctgaagcaa ctactaccac taacgttagt 300

cacagtctca tctttgcagt gcccactaga tttgagtttt gattcagagt gttggcattt 360

ctggcaaaca aaacgtgctg gaacaggatc agtgtcgtgg atgtcagaac acctggtgtg 420

tcgccacact ccacatatat cacacgccaa cattctctct ccatcatcat ccttggctcc 480

acagctgcaa tctacc   496

<210>   7497
<211>   450
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085g02a1

<400>   7497

ggcgactctc ttatttacaa aattatgggg tggtggacat gcgtatggcg cctaccgact   60

gtgacatgct gggattgtcg gttttgacac cctattatac agaagaagag ggatggtcct 120

tgcctgaatt ggatacacag aatgaggatg ggggatcatt actgttctac tagctacaga 180

3342

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tttacctaga tgaatggcac aattttcggg gacgagggaa acatactgag gaggatagta   240

caggggcgtga atttcatgag atatgaggag atcgtcgagc tctgccagca tatagagggc   300

aggcattgac cacaacggaa agaggtctga ggtattatat aaaagctgga ccactccagg   360

gtttaggtga tatggccgaa gattaagagt cgatgggagg ctgtagcgcc ctgggaatct   420

catatgacat ttcaatgggg gaaaggtgat                                    450
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<210>      7498
<211>      455
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220085g02d1

<400>      7498
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agtaaactca gcacgaagtt gcacacctaa atgaaaataa ttgtttctac ataggtggtg    60

ggttacaaca taaaaattct ttcaccaaaa aagaatagaa aatttcataa aaatataaaa   120

taagcaacgc tatttgtacc aaaaaaaaca tatcatccaa gttgcgctcc tccaagtaag   180

agattcttgc cgaacccacc agattgtaac ctctgaacct gatctgaatt ttgcataaca   240

agctgtgatc ataattttat tccatacccc agaaaaggga gaataaaaat tcaatgccca   300

attaagagat gtgagatcta ataaattgac aagatgttga taattaatta atagtctctc   360

aaaagggtgg aaaagagaga aactttgatt gatgaacatc aatctttttca aaaatccaaa   420

tcaaccatga gtgttaaaag cttcccacaa caaat                              455
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<210>      7499
<211>      489
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220085g03a1

<400>      7499
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atagacacaa agatatacac atatagggag aggctgaagg aggggcatca gatccctact    60

ttgtataaat ggggttgtct ttctaaacaa ccccatcaca tcattaagag ggggggatcg   120

atccttgatt tgtgaatttg cttgcattag caagatcata tatattcatt catatacaca   180

attacatatc aagatcacat ttttttttggt gttcttgatc tcataaacaa catggagggt   240
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cagaacaaga agtacatctc atctgaggag ctgaaggagc acaacaagtc aggggatttg   300

tggatttcaa tccaagggaa ggtttacaat gtttcagatt gggcaaagga ccaccctggt   360

ggagaggttc ccttgttgaa ccttgcaggc caggatgtga ctgatgcatt catagcatac   420

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<223>   Clone ID: jC-gmfl02220085g03d1

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ttacacagct caaacaatac aatgataata aataatggta ggaataaagt atatggtaaa   120

tgatgaatca ataatacaat aagaaactta tggtagcaac cataaacata gtactacatg   180

tgaatttaaa tgtcacggtt tcttctacat tcaagtggaa gctgagggta gcggcttctg   240

tcagtgcact agtctgagat ggtgtatttc ctgcgcaccc acctgagcca tctccgttga   300

gaagcatcaa gatcatgaaa ctgtgcttga tcccaccacc tct   343

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<223>   Clone ID: jC-gmfl02220085g04a1

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gcaagcttgt atcattagga caaatgaata gtttaagtgt gaaagaggat agtagaacat   180

caaagaacat tagttctgaa ggtgaaagaa gaacaccaga aatcatggga agatgtgcat   240

cctggtgggc aaccttcaca ttttttgtgt gtgtgtgttc attaaaattc agcaaaccac   300

ttctccaacc acaaggaccc aattcactat ggcttgccat attaggaatg ttcagtttta   360

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ctgtgtttgt atctgctgct tctgatatgg ttgatggtga agcacagctc actcgtatgc   420

agataactgt tatgctcagt gccttcttgg ctctgctgtt agcttaatta gacagatttc   480

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<223>      Clone ID: jC-gmfl02220085g04d1

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gggaacctat aggccccttt ggaaaccggc ttattaagcc taccaccaaa cccaaaaggg   180

cctgggcctt accggtattt ggcttccaag ggaccggggt ttaaccacca cccttaccgg   240

agccggcggt tccaacccccg gtaaactgga cctttcttat ttgggcaggc cttagggatt   300

ggggccctgg gggtggagaa atgggttggt tgattttttat ggaccccaac cccccaaaaa   360

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<223>      Clone ID: jC-gmfl02220085g05a1

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actccacgcc gccgccgccg ataatgcctc ccaagccctc cgccgtcatc gccgccgacg   180

acctcccctc tccgctcggc cagctcgccg cctccctctc cgattccgac ctcgcattaa   240

ccgcctacga gatcttcgtc gccgcgtgcc gcacctcctc cggcaagcct ctcagttccg   300

ctgccaacca ctcctccacc aattcgccca gtcagaactc gcctaactcg cccgcgctcc   360
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agcgatccat caccttcacc ggcgccagca aggtcaagaa ggccttcggc ctgaaatccc   420

caggttctgc ctccagaaag agccctggc   449

<210>   7504
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<223>   Clone ID: jC-gmfl02220085g05d1

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tctcaatcaa caaataggct attatacact gcctgcattt catactagta aaaggggcaa   180

cccaatccaa aggaatttaa caaaagaata atgagaacat agatgccatt ttcatactat   240

atatagagag agggaactct cagaaggtaa aaggaaaaat taagttaaac acagaataaa   300

ccaccgtgag atatctctaa tcttccaata attaatgaat cagaaagaat attcaactac   360

cttcgcaaat aagtcagcca taatcatggc caagatttat gctgcctcac ttcggacttg   420

gagaacatgc cggtagcact aagcctctga ccaatattcc caatgtctta caggacggcc   480

acatcctgac gtaaatcttg ctcaacaatt cacataaatt ac   522

<210>   7505
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<223>   Clone ID: jC-gmfl02220085g06a1

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ggttttatcg catcacacat agctcggcgc ctcaagacag aggggcatta cgttattgct   180

tcggattgga agaaaaatga gcacatgact gagaacatgt tctgtgatga attccatctt   240

gttgatctca gggtcatgga taactgcctc aaggttacaa aggggggttga tcatgttttc   300

aatcttgctg cagacatggg tgggatgggt tttattcagt ctaaccactc tgtcattatg   360

3346

tacaacaaca caatgattag cttcaacatg attgaggctg ccaggattaa cggcattaag   420

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agctaattaa acataaccag ataccgctat ttagttgcta tatataatat aatccaactc   180

ttcacttgaa acattaaggt gaatcctact acagccatat gttgaccacc tcattctttg   240

ccatctgcag ctcgaagtga gcctagttga actggggctt gagtctgcac cactttggaa   300

gacccataca cagatatatc aataccttga gccttctcct tctcgatctg ctccttaatc   360

cagaagtatg tgattctcaa cccatccttc aacctcatag ttggagccca accaagtttt   420

tcttttatca gtgtattgtc tgaattacga cctcgaacac cctcagggcc aggaat   476

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<211>   478
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220085g07a1

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cggcagaaac tacgttccca cttgggcttt tgatcacatc aaatacttca atggaggttc   180

tgagattcaa cttcatcttg acaagtacac tggtactggc ttccagtcca aagggtcata   240

cttgtttggt cacttcagca tgaacataaa gatggttcct ggcgattcag ctggcacagt   300

cactgctttt tatttatctt ctcaaaatgc ggagcacgat gagatagatt ttgagttctt   360

ggggaacaga acaggacaac cttacatttt gcaaacaaat gtgttcaccg gaggcaaggg   420

tgacagagag caaagaatct ttctctggtt tgatccaaca naagcatacc acagatac   478

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085g07d1

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tgatgaatca ataatacaat aagaaactta tggtagcaac cataaacata gtactacatg   180

tgaatttaaa tgtcacggtt tcttctacat tcaggtggaa gctgagggta gcggcttctg   240

tcagtgcagt agttgtagat ggtgtatttc ctgcgcaccc acctgagcca tctccattga   300

gaagcatcaa gatcatgata ctgtgcttga tcccaccacc tcttgccttg tgtagcacag   360

aactttgcat tcactgaagc ttcacaccca tcaacgtgga accctttgta ttctgctatg   420

aagggtgctt tggaccaatc tgttttctcc aaccacccct tgtggcccag tcatcagcat   480

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<212>   DNA
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<223>   Clone ID: jC-gmfl02220085g08a1

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cattttaaaa ttattgcgta ccaataagct caagaaccct tattaacttt cagtttaaaa   240

gggattggta caacaatatc gtatgctcat gaatctaatc ttaagatgaa gaagctggtt   300

tggaagatgg gctgaaagga acctgctgag cgcatgtgag gatttcatgg ggaccaggct   360

gttttcgacc atcacctaga aggtgacgat gat actggtg acgggaatcg ata   413

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gttgctgatg gtggtgctat tctcggcgag tgtggtggtg gaggctcagg agaactcgga   180

cgtgaagacg ctggtgaagc tcatgcacgg gaagaagtac tgcgaccaag gatgggaatg   240

taagggctgg tcaatatact gccagtgccg cactatcact gatcatctcc agacctacca   300

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ctaccactcg tggatcgccg ctgccgcgct tttagagccg catgggttct gctccaccgg   420

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<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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ttgccatgta ccttattgaa cttactggac gtgctgctgc ccttgttgct gcacatatag   420

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<213>   ·Glycine max

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tacacgtttg ttccttacca atcccaatgc ttactctgtc ttcacaacaa gtgactcaaa   180

tccatcgtta ttggtgccct tttggtggag attatttcca aaagccattc ctccataccc   240

atattgttga acaactagca aagatgaacg cgaaccaaaa ttgtttgagg ccaaaatatc   300

ccctataact ccaagttcta agcattcaca ccattctagc aaatttgaga agactttaga   360

gctcctacaa ttcccttgtc ccactacgta caaatcacaa ccattttttt   409

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<223>   Clone ID: jC-gmfl02220085g10d1

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acactgcagc ttcatttgga tgctcttctg tgcatggagc taaccttcta ggttatgcta   180

atggcacagc ccgaggaatg gctccaggtg caaggattgc agcctacaaa gcgtgttggg   240

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cagtgtcagc atttg   375

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<211>   522

<212>   DNA
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<223>   Clone ID: jC-gmfl02220085g11a1

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acaaagtcgc ccataacgtt cataaattgc catataccaa cacttcactg acattttgat   240

atatacaaat gaataaaact tttagataac acctaacaaa aactttatta tgaacttaca   300

ctcttcctca cattttaaaa aaaatgtaaa ccaactattt caagaaccca tacaaactat   360

cacttccaca gggattggta caacaaactc atatgctaat aaatctaatc ctaagataaa   420

aaaactgaat ttggaagatg atcttaaagg aacctgctta acccatgcaa ggatttcatg   480

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ttagatgacc ctactagcga tggctacatc ttcatgttta ccaacagctg tttcctgata   180

ctgaaccota gcaccaacag agtggtacgg acctacggcg tgctctacgg tgatttccgg   240

aactaccagg ctttcgtaat ggcttccata ctgcctatta aactgggtgg gactgagcta   300

agttgagcct tca   313

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<223>   Clone ID: jC-gmfl02220085g12a1

3351

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aagaagttgg gtcaagctgc agctggaatc aaaggagttg ctgacatttt gcttgaagaa   240

attgcagaag aatttgaatt cgaataaagt gaggttggtg catgccgagt ttatttggac   300

tgagccccat tccagaaggg taaaagtcaa ggtcaaggtt cagaaggagg ttctgaatgg   360

agcaatactt gaacagtctt atcctgtaga gtatgttcaa caagagcata tgtgtgaatc   420

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gaggggggag cctttgacat gaacaaaaaa ccaaaattcc ttaaaatact aatcaagata   180

gaagaagctt ttgttcattc cgacatgtta tcctcttgat cttcgtgctc actcaaatca   240

agatcagcca gcaactcctc caatggaaca gaagagtcat caccatcaga aggcttggac   300

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catgctcttc ttgctttcac ccttggtgtg aagcagatga tctgctgctg taacaagatg   180

gatgccacta ccccgaagta ctctaaggct aggtatgatg aaattgtgaa ggaagtctct   240

tcctacttga agaaggttgg ttacaaccca gacaagattc catttgtgcc catctctggt   300

ttcgagggtg acaacatgat tgagaggtcc accaaccttg actggtacaa gggaccaact   360

ctccttgagg ctcttgacca aatcaatgag cccaagaggc cctcagacaa gccactcagg   420

cttccattgc aggatgtcta caaaattggt ggtattggta ccgtgccagt gggacgtgtt   480

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aacaaaaaac agtactcatc aaaaacaaac agcaatgaaa attgaccacc gccgatcaag   180

aacctagttt tgaaagttac ggctacatga aatcggcaga aacttaaaaa tataacttaa   240

acaaaacacc taagactctg caaggataaa actactataa aggagtaacc acgatgatga   300

tcacatgtgc tagcaaaatt gcccaaatgc aatcacttct tcttggcagc ggccttggtg   360

accttggctc cggtggggtc tttcttctca acactcttga tgactccgac agccacagtt   420

tgacgcatgt ccctcacagc aaaac                                         445
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gcaagcttgt atcattagga caaatgaata gtttaagtgt gaaagaggat agtagaacat 180

caaagaacat tagttctgaa ggtgaaagaa gaacaccaga aatcatggga agatgtgcat 240

cctggtgggc aaccttcaca tttttgtgt gtttgtgttc attaaaattc agcaaaccac 300

ttctccaacc acaaggaccc aattcactat ggcttgccat attaggaatg ttcagtttta 360

ctgtgtttgt atctgctgct ctgttatgg ttgttgttga agcacagttc actcgtatgc 420

agataactgt tatgctcagt gccttcttgg ctctgctgtt agcttaatta gacagttttc 480

atatgtgtac ttatgtttcc ttt 503

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gggaacctta ggtccccttt ggaaaccggc ttatttaacc taccagcaaa cccaaaaggg 180

ccctggcctt accagtattt tgcttccaag ggaccggggc ttaaccacca cccttaccag 240

aggcggcggt tccaacccceg gtaaaccgga cctttcttat ttgggcaggc cttagggaat 300

ggggcccttg gggtggaaaa aggggttggc tgatttttat ggaccccaac ccccccaaaaa 360

tggggagggt ggc 373

<210>   7522
<211>   572
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<223>   Clone ID: jC-gmf102220085h04a1

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3354

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agagttgcaa acgattttc tgtccaactt ggatgaggca cccgctagac ggcgtgctcg   240

tgaggctttt aaggatattc aacttgccat tgatcattgc ttgtttcggt tatcatcaga   300

tggggtgaag acgaaagagg tttatgaagt gaactccaga ggattaaaaa tattctctaa   360

aagttggctt ccagaaagtt ctcatttgaa agcaatcatt tgttactgtc atggttatgc   420

agatacttgc acattttact ttgaaggagt tgcaaggaag ttagcatcat ctggatatgg   480

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aactgaaatt aatgcctact tttgtggcga accaatatac caacaaggtg cttaatattt   180

gtttttctg ctgctatgct catcaagcca agatataata tcaccaagca cgtgaaatat   240

agtttcatca ggttcacctt caagtagagt atggaaagca tccttataga ggcagagttt   300

cttgtccttc actttagctt tctcatacaa agccttacta gctgatggat cagtaattat   360

atcagcctct ccatgcatga tcaacaatgg cagagaaact tcttccaaac gctgttctag   420

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<223>   Clone ID: jC-gmfl02220085h05d1

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ttattttgtg gtctttatat ttttggttca aagatgaata tttattcgga gagggttat   180

ataatttggc tgggtgtata ggaattataa ttatatagag agtagtggaa gaggaggctg   240

aggcagaaag gatcgcgtaa gaaaggtttc gagtcaagaa cgaaccgcga tggaggaact   300

tgtttgcatg cagtttttct gctcatagtg gttcgggtat tgactcgttc acctgcgagt   360

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220085h06a1

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tcgcacaggc tttcgcagca aggcgctatt acgaaacgta tgacagctat tgaggaaatg   180

gcaggaatgg atgtcctctg cagtgacaaa actggaactc tgaccctgaa taagctcagt   240

gttgataaaa acctgattga ggttttttgcc aagggtgttg agaaggacta tgttatcctt   300

cttgcagcaa gggcttctag gactgagaat caggatgcta tagatgctgc aatagttggg   360

atgcttgctg atccaaagga ggcacgagct ggtatcaggg aggtccactt tcttccattc   420

aatcctgtgg acaagaggac tgctctaact tacattgatt ctgatg   466

<210>   7526
<211>   511
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220085h06d1

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attccttaaa ctgtataatg ctgttggatt gtatcaatgt caagtccctt cagcttcact   240

actgattcaa catgtccttt cagagtatga agctccctga gccttgcaac ctcggcacgt   300

ctcttagctt gctcagcaat ctctgaaagc tccctgtaac tgttcttgtc attgaaaagg   360

ttggttgttt caggtggctg aagaccatga agagtcctct gagcagttgc ccactgtgct   420

tctctctctt ctttgccata gtctttcttt gtagtgaagg cagtcttggt ctccaaaaga   480

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<211>      445
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220085h07a1

<400>      7527
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cttctgcgac tggaagggcg tgaagtgcaa cgccaaccgc atcaccacaa tcaacatcgc   180

ttcgcaatca ctcggcggaa cgcttcctcc ggatctgaac tcactctcca gaacaacgcg   240

ctctccggcg cattgccttc acttgccaac ctctccatgc tcgaaagcgt gttccttagc   300

agcaacaact tcacctccgc ccccgatggt tgcttccagg gactcaccag cttacaaacc   360

ctcagcatga ccgataggat caacctcgct ccatggacga ttcccgtcga gttgaatgat   420

aacaacaacc ttgtcaaact cgaac                                         445
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<211>      471
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220085h07d1

<400>      7528
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ctcaattttt ttttttaaaa ggaaacagat ctctgttcac tcattaacat ttaacaccac   180

acctcaatgg tacccgaaaa cccgaagccg ttctgattgt tgagccacat atcctgaatc   240

gcagatctag cgaaggattt gggtaagcca ccggtgaggt tgttgtaaga gagacgaagc   300

tcctgcaaac tcacgaactt gtcgaataca tcaggcaagg taccgatgag gtttgcgttt   360

ccaagttcga gtttgacaag gttgttgtta tcattcaact cgacgggaat cgtccatgga   420

gcgaggttga tcctatcggt catgctgagg gtttgtaagc tggtgagtcc c             471
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<223>      Clone ID: jC-gmfl02220085h08a1

<400>      7529
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caagtttatt aagagagaag ctgtactcta aagagctcca agttgagcag atggaagctg   120

aacttgctac agcagtaaga ggaaacgaca tacttagatc tgaggtgcaa aatgcgttag   180

ataacctttc aagtgtaacc cacaagttga aggaccatga acttcagatg ttgaagaaag   240

atgagagtag aaactgcctt caaaatgatc tgcaagagtc taacagggaa ttgacaatca   300

tgaggggaaa actgcccaaa gtgacagagg agagagatta tatgtgggag caagtgaagc   360

aatatagcga gcagaatatg ctgttgaatg cagaggtcaa tgtattgaag aagaagatag   420

agacacttga agaaaacaac ctcgagaagg aaggtcaaat atccatat              468
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<213>      Glycine max

<223>      Clone ID: jC-gmfl02220085h08d1

<400>      7530
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3358

ttcacatagg gcaagaaaaa cgcaggggca tagccaatgg aagaaaagcg ccaattaaaa   120

aaaaaactca atcacagatg gaggtaaact aagaacactg aaaaaagcct acaaaaaaac   180

aagctcttaa aacaagattg tactgaaaaa aagatgcgca cgactcccag ggggatcacc   240

ataggaactt ttggcccggg aggctcgcaa tagggatatt cgaccttcct tgtcgaggga   300

gatttcttca a   311

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<211>   540
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220085h09a1

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tttctttgaa ctttcactcg cagcttctta ttcttgtgat ctaagttcct ctactctcat   180

tccaagcgtg ggtgtatatc aaggatccgg attccttgtg gtcggaggaa gcacgcatgc   240

acgcagttag acgattagaa ctgtcataaa gattcaacag ttgatgaatt attttagtaa   300

attcaactta aaaaacacat ttaaaatact aactgtctga tcaaattaga cagtccacat   360

tcacgattgt gtgaatgcgt gagtgcaggt ggagtgatat aaaatggagg agagaccaga   420

aacagaactg atatctatac cggcgacacc aagggtgtca acccggaga tactgacacc   480

ggngcagagg tcaccaagag cagcatcnaa ggaagggaaa tcatggaccc caacttcttt   540

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085h09d1

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acctggagag ccaggactgc caagagtcaa agtgcaatga ttttgatgac actctaattt   180

ggtttgggga gattggagtc aatgactatg cctacactct ggatctacc gtctcagatg   240

aaaccataag gaagcttgca atcagcagtg tctcaggagc tttacagaca ttgcttgaga   300

agggtgccaa gtacctagta gtgcagggtt tgcctctaac tgggtgcttg acattgtcca   360

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<212>   DNA
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<223>   Clone ID: jC-gmfl02220085h10a1

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ttattttgtg gtctttatat ttttggtttc taagatgaat atttattcgg agaggggtta   180

tataatttgg ctgggtgtat aggaattata attatataga gagtagtgga agaggaggct   240

gaggcagaaa ggatcgcgta agaaaggttt cgagtcaaga acgaaccgcg atggaggaac   300

ttgtttgcat gcagtttttc tgctcatagt ggttcgggta ttgactcgtt cacctgcgag   360

ttagtctctg tgctcttgtt tggataacat tagaaaaaac aacacatgtg cctgtgttac   420

tacttaaatt attactagtg cccatcctat catacacatt tgcaaa   466

<210>   7534
<211>   445
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085h10d1

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gttgtttttt ctaatgttat ccaaacaaga gcacagagac taactcgcag gtgaacgagt   120

caatacccga accactatga gcagaaaaac tgcatgcaaa caagttcctc catcggggtt   180

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cgttcttgac tcgaaacctt tcttacgcga tcctttctgc cttagcctcc ttttccacta    240

ctctctatat aattataatt cctatacacc cagccaaatt atataacccc tttccgaata    300

aatattcatc ttagaaacca aaaatataaa gaccacaaaa taataattta aggtaactta    360

acttgcatta ttattactgc attaacaaaa tggttgttgt tgtcatcatc atgcaactct    420

                                                                    445
gagagaagct ttgatcttct gaatg
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gaaaaaaaga gaaggggaa atctcttctt caatggcggc agagtcatct cgcagtagcg     60

ctaaacgccc ctttatggaa gaagacgaca atgaattctc caaaaagcca ccagaaaaaa    120

gggttaggtt ccaaaggga aagaaagtga agccaggaga tgaagtggtg gtggacaaag     180

caaatgttga ggagggtgaa gttgacttgg tgaatgctaa aactgccacc aatgctgcaa    240

aagagcggga aaaactcaga aggtttctaa agggaaagaa agtgaagcca ggagatgaag    300

tggtggtgga caaagcaaat gttgaggagg gtgaagaagt tgacttgatg aatcctaaaa    360

ttgctgctgc caaagaacgg gcaaaactca gaaatcaaat tacttctgaa ctccttagtg    420

agggcgctgg aggtatcaca aacgatttat cggctgctga agtgacatat gaggataacg    480

agaattntgt tgatgatggg attcaaattg agcctttcaa cctagagaaa gaaagggaag    540

aagtattctg atgctgcang acnatttgtt gatatgtaga gagaatgaga t             591
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gaaggcaaaa ctgcatataa ctcacaaatt gataagagta acattgtac agctcctaac     60

ttcaagggat cattctaagt aatttttagg cgaaaagttt aaggagcttt aaaacaggaa    120
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ccttaaagag ataaacacac aactgttagc agttgcacct aagaagaaaa tcccccataa 180

cgtacaaaaa gatcaagagt gcttcagtct gtacatgagc cactgagaca gggattgtgg 240

ctatgctaaa tagcctattc tccccttaaa ctaggcactc aactcacatt ggatgcaacc 300

tcgtgaactt cttcatatgc gctagtctcc tcattatatg agtaccattg ccctgatgct 360

gctgagcaat aaagccctgt atttggatca taataatagc ccaaagtgct gctgtaatag 420

tacccagaag at   432

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220085h12d1

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atttttttta cataaacgac ttaacaaccc aaactaaaag cctctaaaga aagccacaat 120

gaaagcattc gtaagcaaag aaagttgaat gcataccgga ggaacatcaa aagcttggac 180

tccatgatcc acacttaaac tctttttttcg caagagaatc tgcgacctga ttaaattctt 240

tcagcacatg atcacaagcc caaagatcaa ttccctctgc catgtctaca acctcattgg 300

ataaatgttg ccacttgtgg aagcaaatcc tggccacaat gatactttgc actcatcact 360

tggacccata acttgccttt ttcaatacac aacttccaac attttttcat taagataagg 420

aattcagatt cctagcaccc cg   442

<210>   7538
<211>   518
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220086a01a1

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cttcaacatg cgtcacccctt taaccggagg gggaatgact gtggctttgt ctgacattgt 120

3362

tttgctaagg aaccttctta gacccctgca tgatctgcat gacgctaatg ctctttgcaa   180

atatcttgaa tcattctaca ccctacgcaa gccagtggca tctacaataa acacattagc   240

tggggcattg tacaaggtgt tttgtgcatc ccctgatcca gctagtaagg aaatgcgcca   300

ggcatgtttt gattatttaa gccttggagg tgttttctca gatggaccaa ttgctctact   360

ctctggtcta aatcctcgtc cattaagctt ggttctccac ttctttgccg tggctatata   420

tggtgttggt cgcttactca taccattccc ttctccaaaa cgaatgtgga ttggagctag   480

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<210>   7539
<211>   439
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086a01d1

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aataaaaaaa tatgcttttc atcttccggt tctttcattc tatttatttta ttggattgaa   120

tttttctatt tctaaatttt ctttccatct ttaatctgct agctatcatt cacttttctt   180

atccatccat tcatccaccg aaccctaacc ctaatcctcc atcatcgatt cgattctctt   240

gctctttgtt atttccttct ttggtgaaca aagcaaaaca attgcatcga tgaatcgggc   300

gtcacagctt tcgtgataaa gatcttggcg ctgcgaaacg attgcatggg tttggagatt   360

gtcggagctt catagtggac cgcgacgacg tcgtgctccg attgttcgta aaagctctga   420

accaccgtct tccgcgggg   439

<210>   7540
<211>   351
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086a02a1

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acctggcact tgttgatgac ttttatgccc tatgatgact ttctatactg c 351

<210>   7541
<211>   491
<212>   DNA
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<223>   Clone ID: jC-gmfl02220086a02d1

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tatcgccgcc aagaagcgcc gcaaggccgg taaacgccgc atgtgccagg ggatgtgctt 180

tagtctacct actctggatg atcccttcaa tgatcgaggt gggaagagg aaaccaaaac 240

aaagggtcct aaaaagaaat cccattcaaa accaaaagac aagatggatc atcttaatgg 300

gaagagtgca gatggaaaga aaggcgcagt tggtgggagg aaaattgcaa gggaattgaa 360

tgatttacaa agggaaaatg agtctgtcac agccagcaat aatcttactc ataaatgtat 420

cattaactca gaaaggaaaa atattgatat gactgagatg gctcatcttt gcggtaccaa 480

acagcgtgat t   491

<210>   7542
<211>   536
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220086a03a1

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gaacttgaca gtacaatcat aatgcaccag actgaataat tttagtttaa cttttgaatg 120

cattaatctg gtaattgtca atgtgaggtg acactatatg tgtgtgagaa attttcctga 180

tctttcatta accctgtctc atccttaggt tagttatcct atgataaaaa gagtaatacc 240

3364

ctgtcatgtt tcttgatgca gtgaaatgcc ctacctctaa ataacatgtg aataatgaat   300

atattattgc aagaaaaatc aattttttt gctattaata tgtttacctg tacttgcaag   360

cactggtaga aaaacaacta ataatgacta tttttctccc atcccactgt gaagcagatt   420

gctttgtctt tcctatacat tattccttat ttgtgtgtgt gtacacatgt gcacttgcat   480

gatcttgcac tacccncatc acgtggtagt ggtttaattc ttctatttta gcattc   536

<210>   7543
<211>   311
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086a03d1

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catcatttac aagcggtttg gcaataatta acaggtgctc atccgagcaa attaacagca   120

gtgtttatct taagaaaaat gtctcgtcat taagagagcg agcatgacga gggaagcgat   180

ggcggaagca gcaccaaaga gtcccatgtt gacgcgggaa gcattgctga tgggacctgg   240

tgccaaagca taaggtgact gtgcaatgct atcaccggcg ccgcctgcgg cggttgctgc   300

tagggcaccg t   311

<210>   7544
<211>   319
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086a04a1

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tgcatgggtt tggacatcag caatttgttg ggcgaatata ccgaatatgc gcaagttaac   180

agatacctaa ctgaaaccat gctatcggac caaatcaaca gccataacgc cgttacagta   240

cttgcccttg acgacgccag aatggcttac ctctacggta tgtcgcacga cgccgttaag   300

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<210>      7545
<211>      396
<212>      DNA
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<223>      Clone ID: jC-gmfl02220086a04d1

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cagatactaa tacaaataca aatacaacat attcctttga actcatcata catgatgtgc     120

agaggacaca agttctagca aaacaggtaa aacctgattc cctcacttat agttacatta     180

gcagatgcat taaagtcata aggacaagca aatcccaaat attagtatta ttcttgggtg     240

aaccattcac cccaccctct ccttttttcc caacaaaaaa ttaaacggag gttgggtgaa     300

atttccttgc aaaaacatac tagaaataac tttatacatg gcctcagtga ggtgaacacc     360

atcccaattg atgtactgag aagggcttga gcacac                              396


<210>      7546
<211>      470
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220086a05a1

<400>      7546

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attttctgga tcgtgtacat aaggcagagc tgaagcttag atccaagggt ttatgggatg     180

tacctcatcc gtggctcaac cttttgttc caaaatcaag gataggggac ttcgacaagg      240

gtgtgttcaa gggcattctt ggaaataaga caagtggacc tatcctcata taccctatga     300

acaaaaacaa gtgggaccag cgaagctcgg tggtgacacc agaagaggat gtgttttacc     360

tggtggcatt tctaagatcg gcattggata ctgagacgct ggagtacctg actaatcaga     420

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<210>      7547
<211>      397
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<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220086a05d1

<400>      7547

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tttgggccta aaccttattg ggttccttac ttaatttgct acaagacccc attccataac   180

aaaaatccaa ctccatcatc aattttatta ccctcagata acaacacctt aacaactttt   240

gatccttcac tagggcccta caactacatc cttttaattt ttttttttgcc atgacccccc   300

ttgtgtttcc taaacacaat aatacagcac ttgcttctta acatgaaccc aagattattt   360

atcccttttg cgtgtttgtt ctacatattg aggggga                            397


<210>      7548
<211>      315
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220086a06a1

<400>      7548

cagcacaaag cgggttactg tctgatcaag ctaccatctc tctctctctt tcttagtgcc    60

ttcttgccag aaggtaaaat ggcccaagac acttgcctat taacctctgg atcagtgaac   120

gaggggcacc ctgacaagct ctgagaccag atctgcgatg ctgcgctcaa tgcatgcttg   180

gagcaggacc ctgacagcaa ggttgcctgt gaaacctgca ccaagaccaa catggtgatg   240

gctttcggag agatcacaat caacgccaac gtggactatg agaagatcga gcgtgacaca   300

tgcaggaaca ttgga                                                     315


<210>      7549
<211>      453
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220086a06d1

<400>      7549

gagagaacat ttttttttgt ttcatcatat aaaatatata tgttctgaaa gaacacatac    60
```

3367

```
aagtacacaa aaaaaagggg gaaattcata aaaaaataca gaaaaaaaaa aacagaattg    120

agtaagaggg aaggaaacat agagaaaatt ttagcaatca gataataaga agccagtagt    180

agtgcaaaag tcccttgcca agagtgttgg aaccccttt agttaagcag gtaccttctc      240

ccccttgagt ggcttcacca cttcccatgt gaagtcaggg tcatctctgc caaagtgtcc    300

atatgcagca gtcttcaaga acctgccatt tccacccctc ttgagatcaa ggttgatgga    360

gatcatgcca ggcctgaagt caaaactctc cttcacaatg ctgaggattt ccttgtcagg    420

gatcttccca gtgccataag tgtcaacaaa cac                                  453
```

```
<210>      7550
<211>      323
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220086a07a1

<400>      7550

cacaagtcac attttttggc ttttaaaaca gagagagaga gagagagaga gagagattac      60

aaagatcaga atcagacagg ctagcttagc tccatgtctg actcactctt aactttctat     120

tctctttcag ccattcttgc tcttctgcca atcttcatct tcattctcat caaaagaaag     180

caaagcaaac ccaggctcaa ccttccccca ggtaacatgg gttggccatt tcttggggaa     240

accattggct atacgaagcc ttattctggc cccacagtag gggaattcat ggagcaacac     300

atagcaaggc atgggacagt tta                                             323
```

```
<210>      7551
<211>      496
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220086a07d1

<400>      7551

cggaaatatt tttgatttgt atggaatgcc attggagcta ggaacttcaa attcttcacg      60

tagtttgatt tagatcaagg tgtgactctg ttattggcta ggcttggagt tattacatat     120

ttggggtgaa cttactaact aatttttctc aaagcaaaga gtgggcttgg actctaatgg     180

gtaggccttt ggggaagtcg acaaaagggt aggcaaaagc ttgatccgta tcagccaatt     240
```

3368

```
cccaatggta gttgagaatg agatggtgaa tgaaaacagc catttcaagc ttagctaact   300

ctgatcctgc acataatcgt ggtcctcctc cgaacggaag aaagttgttg tttgctgtgt   360

tcttgcttga acaacttcca ccacgactac cattgttctt tatagctaac atctttcaca   420

gccttcctgt ggagaaacct cacaacattt cccaacctaa gtgtctcgtt cacaacacaa   480

tgagtaaaat ccattc                                                   496
```

```
<210>      7552
<211>      348
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220086a08a1

<400>      7552

cctcccagaa aaaggcttaa aaaaaaaagg ggggtgtca aaatcaaaaa tggccgattt    60

tgatacgagg ggccccaatc ccgaaacctt aaaaaaaaaa aaaaggggg cccggggggt   120

ttaacccccc caccaaaagg ccaaaaccct ggaacttggg gaaggggaga acaaacccccc  180

ttcatttagg gggggggga gaaaaaaaaa aaacccgggg gcgcaaaacc ccccacggc    240

caaagccgag ggtttttacc accccaaaaa aggggaagcg aatttcccaa aaaggggggtt  300

attttgtaag aacctggttc ccccaaaccc tatctttaaa agaccggg               348
```

```
<210>      7553
<211>      500
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220086a08d1

<400>      7553

gctccaacca tgttgaataa aattcatttg tgtagtgtaa caaagtttta agcccttact    60

ctaattttct atgcatcaga tattaggaat atacaactag aatatttcag aggatggata   120

caaaaatatt caagaaagcc ttcattttgc aaccatagca gtgactatag taaaatgcat   180

ctgtggaagt acggaaatca aacaagtcct agaaacaggt gtaaaagcac catctggcca   240

ggaaaactcc ctaaaaaaac cttctccaaa tcatgatcat caatgtggta tcattctttt   300

tcattcatct gaatcactat tgaagttaat atcttcagtt ttctccgtat cctgctcctt   360
```

```
tgtctcatcg cctgcttcag aaaactcttc atcttctttg atatatggct caaccaattt   420

ccagaaccaa gttgaattgc ttcccagaat accaatccaa aaaacccttc ctttcctctt   480

gactttgcaa tccatggaca                                                500
```

```
<210>      7554
<211>      478
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220086a09a1

<400>      7554
```

```
caaacatcca tcatcattat tattttactc cgaacgagtt gacaccgatt ccactcactc   60

aaccatgagc cgattcaggc gttttgagct catagaacaa ccacctttct tccactcctg   120

ctactctttc ccttccttcg tcctccaaga ctcactctct ctcgacctcg acctcttgcc   180

acttcccagc cacttcgacg ctttcgcaga tctggtgcac gcgccgtcgt tcgcttaccg   240

gcgcgtggag aggcatctcg agaatgagtt gcgtttgcag agcctctctg accgtgtggc   300

ggagctggag tcgcggttcg accgtgtgct cggcggagat cggaagtaca cgtggacagc   360

ggagatcaag ggagcggaga agaacgggtt cgataggaag tacaagtggg ttgcggaggt   420

cgctgaggag gaagataaga agaagaagaa gaataagaag aagcaggtga aggtgctg    478
```

```
<210>      7555
<211>      365
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220086a09d1

<400>      7555
```

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ggggaaaaaa aatttatttta tttattatta ttcttaaacc gggggggaaa attattggga   60

aaaataaagg gcccccttt ttttttttcc ccgccccaag gggttaaccc ccttaacttt   120

aaaccccgac aaacaaaccc cctggtccca agaaatttgg ggaatagggc ccaacaaatt   180

ttgttttttaa ggtcggggggc aaagggcgtt ttaccggtaa cttggccccc aggcctttaa   240

aattaaccgc aaaataaggg caagggttac ttttcccggg cccctggtt gggttcaaag   300

gcccacaaag gctttaaggg caaaaaaaac aacggtgggg ggccaacaaa tattccgggg   360
```

```
<210>    7556
<211>    490
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220086a10a1

<400>    7556

ctttcccttg ttaccaacaa aaggaaaaaa aaatcccctt ccactttgaa cttttcaata    60

ctgtgtcgct ttcgctttag ccaatttcaa cgcttgagtt tttcaggcat taattcatta   120

gtttcataat tagggcattc aacaagtgtg cgtatggtgg tgtttgctag aagattttta   180

tgaacctacc tattcggttg tttgaatata attctaggtg ttccttactt tcagtcaatt   240

tggatttgga tcaattaatt gcgttgcgct ggatttgttg actttgattt tgggattacg   300

aataatagcg ccatcgcatt cattgcacgt aggttggttg ttttaaagga cgagagattt   360

taagtgtcaa gtttataaga taggaaaatt gagtctcagt tgaggttttt tggatcaagt   420

tgtttaatac catatatcat tttgtttatt agttggaagc gtattttgcg ggtagctgca   480

gaaagtttat                                                          490


<210>    7557
<211>    362
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220086a10d1

<400>    7557

aggaaataaa aattgccttc aatataataa agagggttcc ctttttttaat accagagatt    60

agaacataag aaagggatgg ggataattag gggtgccgga tacaaattaa tagatgacac   120

ttcaacttat gtaagatgat ttgagcccca aattttggat taagagtgag cacagggact   180

ggagcatgtg cataggtggg agaaagctca actgaaaagc gttgttagag taatgacaaa   240

accaactttg cttttaataa agcaaaattt tcggctaagc acactttagg accccattca   300

aatgggaaaa acacaacttg cctttttggt gcctttgcta ctccttcagc aaaacttttt   360

gg                                                                  362
```

<210> 7558
<211> 494
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086a11a1

<400> 7558

gtgggcatgg attctctact ggcgaactat gcctcttcag atgaagaaga agatcaacaa   60

caaccatctc cacccaaaac gacttcgttt tcctctcttc ctcagcccaa atcttctctc   120

tttcaatccc ttcctcaacc caaatcctgt ccttttttctt ctctatttca atctcttgct   180

ccacccaaac aaccttccag cgaaagcgct tcactcccta accctaaccc taaccctaac   240

cctaaacccc aaatcgaaga accacggccc aaacgcgtcg tgcaattcag gcccccaatc   300

atccctctcc caaaccctac ccaactcgac gatgacgacg acgacgaaga agaagagcga   360

aacagaagaa agaacaagtt agagtcctcc acgcaaacct catcggtcaa atccttcctc   420

gccagcattc cggctccaag gaacaccgcc actctcggcg ttcaagcaag ttccggttca   480

ggccggagat ccat   494

<210> 7559
<211> 383
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086a11d1

<400> 7559

cccaaaaaaa gaataaaacc cttccccatg ggaaaagaaa attggtcccg gaaccattgt   60

ttggttggtt tttaagagaa aaaaaaattt ttggcaagaa aggggactta taagttataa   120

gcttaaaaaa ggggggggga attgttattt ccgcccccgg gaagcaactt ggttggggct   180

ccatggtctt tccggggcca taaattttt tagaaatcaa aaaatttggc ggttacaaaa   240

aaagaaaaaa accctggcca agtttgaaat ggtcccattg gtgccaaaaa gaaagggtg   300

gaccccttttt tttttcctta tggggggggga aaacaatgga agaataagcc attaaggttg   360

gcttggtcac aaactccatt ttt   383

3372

<210>   7560
<211>   492
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086a12a1

<400>   7560

```
tagctgttct gttacaaaga aagaacacca aataatgcag tccatgttaa ccatccgtgc    60

cacccatggc cttcctctgt gtctctcagg gatgattcac cctcttgctc tctctcacga   120

tgtgtgtagg atagcggatc acgaccgtag gagacgcacc atgaggaagc aaaggcaaag   180

atcactcacc agagagggtg tagtgcatga tgcggttcga gaaattcact ttgtggaggt   240

caaaggtgag accgatttgc atgatctctc ccacactcat cacctggggt tgtcagcaag   300

agctgcttaa aatttagctg cttctccaaa attgattaat ctcgctagct cctaccactt   360

tgttatgcac tttatttaat ttcactgtga tggactcttt cgttattata tatatcatgt   420

taattaatta ctagttgtct cctttgttct gtactcaatt cttattttct gtaaccacat   480

atgtggaact tt                                                        492
```

<210>   7561
<211>   481
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086a12d1

<400>   7561

```
ggcaaattaa gtagtttcca ttaaatagcc aaaagcaaaa ttcccattgc ttctcccatc    60

atcagtctat gttatatgca tactgaagac agagatgaag tggttgatac aaaaaggcat   120

aaatcataaa tatgaaaagc ttattgaatg attacaaatc agctcctcag acaatggagt   180

ggctatgtgt gactgcattg aaattaggta atcgatttcc tgtttatagt tttattaatt   240

taggtaggct aaaaaagaga ttataacact caagatgctg gtttgtctcg gatccttaag   300

ctttggtgaa gctagcatcg aaaggaacgc cagcagcagg caaccaagtg ctagcttgga   360

gccaaggctc agcagtgaat tgtgcagcct cctgcttgct aatgagacct ttgccaaact   420

tggctcttgc ttgagcaacg gaacctggtc cagtgttgcc aaactcaagc gagtagcaat   480

c                                                                    481
```

3373

<210> 7562
<211> 488
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086b01a1

<400> 7562

```
ggaagaagaa ggagcagatg ggtaatccac ggaaaccgag taccgccgac gagcttcaca    60

cggcggcaag gtccggtgat ctcatcgccg ttaactcaat tttggcttca aatcctttgg   120

ccgttaattc cagagataag cattccagaa caccgtatcc tgctcatttc ctcacttctt   180

ttcttcctct attaattaat tcaattttat tttttatgta aactcaacgc aatagaaacc   240

ctaacaatta aattctttca attagtcgtt gttgttgttc tagataacaa aacacagtag   300

ctggaattga aaattacgtt ttgctggtta ttataatgat atgattcatt gcagcatctg   360

tgtctttcgc tcttttttgat ctgtgcattg catattctac ctatcttgtt tgaaccattc   420

attttatgaa atcactacat cataatcacc cctattagag aaggcttacg tgttccttag   480

cacagaga                                                              488
```

<210> 7563
<211> 467
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086b01d1

<400> 7563

```
gtttagggtt cgaacctcag aaacctcgca tctccaaaaa ttttaaattc atagaagaaa    60

atgggagacg cagaagagga gaacgcttgc atagctgaag tatttgattt caaggagaag   120

aagaaaaaga acaagaagaa gacggcgaag aagagagtaa catttgctga gaacgaagca   180

aattctccaa cggtagtaaa caatgatggc aatgaagata gtgctgctgc tgccagcggc   240

gttaggattt ctctgttcga tttctcggtc gagaatttct tccgagacat ggacaccatt   300

gccagactct gcgggaaaga aaacggtgct gctttggacc agagcgaggt tcagagattg   360

tcttcctcag tcactttctt aagagaatgg agagatttta aatatccctc aagaagcatt   420

aagtttgctt atggacttga gagctctgat tgttctgagg ggagaaa            467
```

```
<210>      7564
<211>      479
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220086b02a1

<400>      7564

attccaatat attccattct ctctgtgtat ttccctacct ctcccttcaa gatgcagatc   60

ttcgtcaaga ccctcaccgg caagaccatc acccttgagg tggaaagctc tgacaccatc  120

gacaacgtca aggccaagat ccaggacaag gaaggaatcc ccccggacca gcaacgtctc  180

attttcgccg gaaagcaact tgaggacggc cgtacccttg ctgactacaa cattcagaag  240

gagagtactc ttcacctcgt cctccgtctc cgtggtggca tgcagatctt cgttaagaca  300

ctcaccggca gaccataac cctagaggtt gaaagctccg acaccatcga taacgtcaag  360

gccaagatcc aggacaagga gggtatcccc ccggaccagc aacgtctcat cttcggcgga  420

tagcagctcg aggacggccg caccctcgcc gactacaaca tccagaagga atcaaccct  479


<210>      7565
<211>      439
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220086b02d1

<400>      7565

cgaaacatag aaagaatatt caatcagatc aaagaacgaa tcccatcggc agactaacat   60

catcataaac aagcgttttc gcaataatta acatctcctc atccgtgata attaacagca  120

ttgtttatct taattaattc tctcgtcatt tagagagcga gcatcacgag gaagcgatg  180

gcggaagcag caccaaagag tgccatgttg acgcgggaag catcgatgct gggacctggt  240

gccaaagcag aaggtgactg tgcaatgtta tcaccggcac cgtcggcggc gggtgttgca  300

agtggcaccg tagcacatgt cgctgctgct gccgcagatt caacgccagg tgcaacgata  360

ggcttgctaa cctgaagaac cgaaacgggg ttgggttggc tcgtcacgga ccttacaagc  420

acaaccttga aaggtgcat                                               439
```

3375

<210>   7566
<211>   455
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086b03a1

<400>   7566

taaacaataa aataaaataa aacagaagag aaggaaacag aagtaaaaaa aaaataaaat   60

gggttacaca agatcttctc ttctgtccgt ggctcttgtc ttggcattct gttcaagcat   120

tcagggtttg gacatcacca aattgttggg cgaatatccc gaatatgcac agttcaacaa   180

atacctaact gaaaccaagc tggcggacca aatcaacagc cgtaacgccg ttacagtcct   240

tgcccttgac gacgccgcaa tggcttccct ctccggcaag tcgcaagacg ccgttaaggc   300

catccttagc acccatgtgc tcgtcaactt ctacgacgag aagaagctga tggaagccga   360

aggtagtcgc accaaggtcg aaaccctatt ccaatcctcc ggtgtcgcca agcccaacca   420

gggttacatc tacgtggcgc tcatcaacga ggggg   455

<210>   7567
<211>   488
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086b03d1

<400>   7567

gcaaggccta ttgaacaata atgcaaacac agcttcattg aatatggatc caacagtttc   60

atcagtggat tcaattgtgt cagtcgcatc tccattgcat atgaatgcta ctattcaatc   120

ctctggtcat gttagcagcc acactgaggt tgatgaagtt gagttcttaa acaactgcag   180

ggatgctggg gtggttcaca ttcttggaaa cacagttgtg agggcaagga gggattcaag   240

attccacaag aaaatagctg ttgattatat atatgcattt ctgaggaaga tatgcaggga   300

aaatagtgtg atcttcaatg ttcctcatga gagtctatta aatgttggtc aggttttcta   360

tgtatagcct ctaaacctct tggtaatttt tgcgtgaaca ttgggtttat aggcacattc   420

aatcagaagc atgttaaaat agttaatatg tagttaataa taataaaaac tgtattgaaa   480

tctatgtt   488

<210> 7568
<211> 517
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220086b04a1

<400> 7568

```
gcagaatcta caaagggata attccttcca ccggccagct tgtggccgtg aagcaactcg   60

accgaaatgg gatccaaagc agtaaggaat ttctggctga ggttgcggag ctaagtctct   120

tgcaccatga aaatctggtc aatctcattg gttattgtgc tgatggagat caacgtcttt   180

tggtctacga gttatttgct tcgcgtactc tagaaaaccg tctttttgag aaaaaagcgg   240

atgagagccc attaaattgg tttgaaagaa tgaaaatagt agcggctgct tctaaaggac   300

tagagtactt gcatgagact tcgaagcccc cggttatata ccgggacttg aaagcgtcga   360

gcatcttggt ggacagtgat ctgcttgcaa aactatgtga tgttggcatg gccaagcttt   420

ctggtggaga caagatgaac aatggacctn caagacttat gggtacctat ggtcactgtg   480

ctcccgagta tgtaaaagct ggtcaactca ccttgaa                           517
```

<210> 7569
<211> 440
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086b04d1

<400> 7569

```
aaatattaag gacgcttgat attaaagtaa tagtttttaa aagaatccca catattgtgt   60

ggcaaaaata caaagcaaca tgtcaaagaa tgagcatgca tgcatgttca tcatcatcat   120

cacaagtggc acaattaagc agaggttgat aagtttagtt atcgcgaata aacacttgat   180

cctccactgc tgcttgtttg gtcaaaaggg tgaccactat cctcatcaga cccaatgctg   240

gttgcacggt ctaaaatatt catgctctca tcctctgtcc ttctgctgcc ataggggtcc   300

gagcgataac ttccttgtga tagcctcatg ctgctacgct ctgaccgaac cccttcatcc   360

tctgatccca cactgctgct acgacaactt gaggaaatgc ttccatcctc agatgcaacg   420

ttgctcttgt ggctcaaaac                                               440
```

3377

```
<210>      7570
<211>      567
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220086b05a1

<400>      7570

cagcacaaag cgggttactg tctgttcaag ctaccatctc tctctctctt tcttagtgcc      60

tccttgccag aagttaaaat ggcccaagaa acttcctat tcacatctga atcagtgaac      120

gaggggcacc ctgacaagct ctgtgaccag atctccgatg ctgtgctcga tgcatgcttg      180

gagcaggacc ctgacagcaa ggttgcctgt gaaacctgca ccaagaccaa catggtgatg      240

gttttcggag agatcacaac caaggccaac gtggactatg agaagattgt gcgtgacaca      300

tgcaggaaca ttggtttttgt ctctgatgat gttggtcttg atgctgacaa ctgcaaggtc      360

ctcgtcaaca ttgagcaaca gagtcctgat attgctcaag gtgtgcacgg ccacctcaca      420

aagaggcctg aggagattgg tgctggtgac caaggtcata tgttcggcta tgccactgac      480

gagactcccg agctcatgcc cttgagccat gtncttgcca cgaagctcgg tgccaagctc      540

accgaggttc ggaagaacgg gacatgc                                         567


<210>      7571
<211>      424
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220086b05d1

<400>      7571

gagagaacat tttttttttgt ttcatcatat aaaatatata tgttctgaaa gaacacatac      60

aagtacacaa aaaaaggggg gaaattcata aaaaaataca gaaaaaaaaa aacagaattg      120

agtaagaggg aaggaaacat agagaaaatt ttagcaatca gataataaga agccagtagt      180

agtgcaaaag tcccttgcca agagtgttgg aacccctttt agttaagcag gtaccttctc      240

ccccttgagt ggcttcacca cttcccatgt gaagtcaggg tcatctctgc caaagtgtcc      300

atatgcagca gtcttcaaga acctgccatt tccacccctc ttgagatcaa ggttgatgga      360

gatcatgcca ggcctgaagt caaaactctc cttcacaatg ctgaggattt ccttgtcagg      420
```

3378

gatc   424

<210>   7572
<211>   329
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220086b06a1

<400>   7572

accgggcccc cccacctgta tcgataagct ggctcgagat agtggtggaa gcttcctttt   60

ttgcaataat atatttgatt tgatgtttca atcctggggt attctttaat ctaccaagaa   120

ttaaatgcca gcttgttctt gtgcatgacc tcatgcaatc tccgtctttt aatttggaaa   180

aatggatcca gggtctcttg cttcctggat tacagattgg cacaagtttg aaaaaagtgg   240

tgcttgactc ttatgaatgc tgacctgctt gttactcttt cctcctagtg taaggctttt   300

tcgagaaagc aaaatggcgc tacaattca   329

<210>   7573
<211>   394
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220086b06d1

<400>   7573

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acaagtaaaa aattttactg ccccaaacat taacaaaccc tagaagaaca tcaaaacaac   120

ccgaactttt caacaattta aaggggaaaa ataaggggcg cgcccacaca actttgccat   180

cttaatctat gataatttgg cactatgata ttccaccccc actaataatg gggggggaaaa   240

gaatactttt taagaacacc aattagaaga tgcttcaagc attttcatag cacatactgt   300

taaactggga tcacatcatt cttggatgca tcttcacatt ttaaaactat accctcaaga   360

ctagctggaa aaatgcattt ggtccattgg caac   394

<210>   7574
<211>   343
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086b07a1

<400>   7574

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actgctcact gaagatcttg aagcactact ataatcactc aggttaatgg caagggaaac   120

aacatggaac gccaactgta gcatacatag gatggtggtg tagagaggtg aaacaagtac   180

ctgccaatgt aatagtggta gtgtttaggt acctctgatg atgctgacga taccactgag   240

caggttgtga tgcctgtatg tactgccagc gattgatatg gagatctggg aagtaatata   300

cataactcaa tggaagattg attacatgct aagcatcata cct   343

<210>   7575
<211>   356
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086b07d1

<400>   7575

gggaaaaaaa aaaaattttt tttaatttcc ggggcggggg ccgggttccc cccggggggа   60

cccccccccc ttcaaagggg gaaccccccc acaagaccca aaaggggggaa gggttttccc   120

cccctttttt cccccccttgg cccccccgggg caaatttacc ccccggcccc cccttggtcc   180

ccccgccttt tttttttccc ccccccctttt ggttccctgt ttcccaaccc ccccccctgg   240

gggccggttc agggccgggc cccccccggcg ggggggtttc aaaaccgggg ggttgtcccc   300

cccccccccc ccttggggct tttttttcttg ggcccggggg ggcccagttc tttcct   356

<210>   7576
<211>   466
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086b08a1

<400>   7576

agtagttaaa attgtgacca aatacataag ttcgtatgat aaattataaa aactccaacc   60

tatataataa ctgtaacttc tacatttttc atgtaaatga gtccctcaca taaatagtag   120

ttagatcaac cctccctcca accttтcgta caagaacaaa acatgattag catgcatcta   180

gagcttatct cataataagc aacttatggt ttcaaccagc catggtaaaa gatgaataca   240

tattaagaat tgatcagaaa cacttttgca atatgggaat ttacagtctt ataactttaa   300

gaggaaatta caagcttttg ggtcttatgc attatgatgg ggagcttctg gctgatgaaa   360

cttggatcac catacgcacc agaatcaaaa gggtgccctt tagcagacaa atcttgaaat   420

gtagattctc tccagcaact ctctcgaagt ataatgggat ttgtat   466

<210>   7577
<211>   402
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086b08d1

<400>   7577

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cataaaacaa ccttaacggg ttaaacagac aaattagaat gtttcatttc aatgaatata   120

tcaacttaac caaacaaaac ttggccgaga aaatgttgaa gtcatacaaa atccgtataa   180

ctgacagata tcaagggaag ttatatgatg gagcaggcaa aaagggaaaa ggtgcaacag   240

aggcatacga tacgggagga cgcgcttcaa tccgataggg acgcctggcc ttgatatttt   300

gatcgccgtt atcatcatcc aactctgaag actccgtaga ggatgcagat ttcacaaaac   360

cctttgcttt gtcttctaag aattgttcgt tttcagaacg ac   402

<210>   7578
<211>   409
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086b09a1

<400>   7578

ttttaaaatt aaccatcgat ttagttgcaa ctggaacaca ggtttctttc aatgaaataa   60

tattaatatc aatttaataa gctggtaatg taaaatactg ctaatgttaa tatgaagttt   120

ggatggtctt attggcagaa gatgctagga ggtgttcatc aatattctga aaggtaaaac   180

gattttggtt tttaatgata atataaccat gaatctaaca tcagatattg aacgctacac   240

atcaaaaata aatcgagcca acgcatttaa ttgtaagtgt cttcatatta cctgtgttct   300

3381

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gtcacatctt tttgcataat attggcacta agtctttttt gatagaaatt gtgaagatgt   360

acgtgaatca tggaatcaac aatatggggc ccttcttttt ttattggat                409
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<210>      7579
<211>      337
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220086b09d1

<400>      7579
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attgggaaag ggccccaagg atttgcccct taggaaaatt attccccggt ttttttttggt   60

ataaaaaaat ttgtttcaac ccccagaaat ttttggaaaa aaaaagtccc ctttcttttt   120

ccaccttttg ggggggcaaa accccccctta agggcaaaaa aattttattt ttttttttgaa   180

aaaaaaattt gcccaaaaaa ttgtccaagg gacccttttt tgaaagactt aaaaagggtg   240

aaaaaatttg ggggtgaaaa ttttttaaat tggggttgaa aaaaaaggtt aaaaaaaaaa   300

aacccccccc cttttttttgg gaacacccca attttttc                          337
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<210>      7580
<211>      483
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220086b10a1

<400>      7580
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gaagtgaaag tgcaaaaaag atgtttcaca gacattagtt ttgataaaat tgctgcagaa   120

tccatggaag gtagggaagc actatcagcc gcagctgtga agcatagtgt tccatgtgca   180

gaaacacttg cagatattgc tgcttattgc aatgagagaa agctagctag tagaaacgtt   240

aaggatgcct gtgataaact ttacatatgg tttctcctga agaaaaagga ggttttattg   300

tcagaagcaa gaatactggg actaggccca agattcatgt caatttatat tcaaaagcta   360

gctattgagc gacgcatata ttatgatgaa gttgaaggtt tgactgtgga gtggcttgag   420

acaacatcca ctttggtgct tagcatgtct actagtaagt gtgcatttag gaggggctgc   480

cct                                                                483
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<210>   7581
<211>   452
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220086b10d1

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atcagttaca tacattacag taaaaacatt tattctttag ctagctagcc tctggtatca   120

tatcatatta tctatatttg tttcacgtac gaaacatttt gtactcccaa acacaaaaaa   180

acaaagatca ttattccttg gattgatgag ggtgatgatc gctccaacaa taagatggaa   240

gaacgcgccg ttgcaacaac ttgcatgcat gggcggcaca agagagagag attcgatgaa   300

tgaagtaagt aagtaataat gcgatcgatc acataattgt gcaagcagag gtgttttctt   360

cacagaaata ttcatcgcaa cggctcacgt aacaaggcct gctcccaccg taactatcat   420

aaacaggcct tccataataa gcgttataac at   452

<210>   7582
<211>   492
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086b11a1

<400>   7582

acaacctttta accatcacat tgtcaacaaa ttcggcaaga attcattttt ttgggaaggt   60

accaaaccaa aagtggtaat cactgaccct gagcaaatca aagaagtctt caacaagatc   120

caagactttg agaaacccaa gttgagtcct attgtcaagt tgttgggctc tggacttgca   180

aatttagaag gcgagaaatg gcgtacacat cgaaagatta ttaaccctgc tttccatttta   240

gaaaaattga aggttatgtt accaatattt cttgaatgtt gtgacgatat ggtttccaaa   300

tgggaaaggt tgttgtcttc aaatgacaaa tccgaaattg atgtgtggcc tttccttcaa   360

aatttaacat gtgatattat atctagaaca gcatttggaa gcagttatga agatgggaaa   420

cgtatatttg aacttctgaa agagcaaact ggacttatga tgaaattgca gaacgcttac   480

attccaggat gg   492

<210>   7583
<211>   316
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086b11d1

<400>   7583

aaaaaaaaaa aggttttttt tttttaaggg tccccaaagg ggggggggga aaaaaaaag   60

gggtttaaaa accaattttt tttttttgggg gccccccccg gggaaaaaa tttttggggg   120

ggggagcacc ccaaaaaaaa aaaaaggggg gaaggggccc cccccttttt taaaaaaaca   180

aaaacgcccc ccttctaagg ggggggggg gggcaaaaaa aaaaaggccc ccttcttcta   240

aaagggtgtt ttttaaaaaa agggggggg ggcaaatttt taaaaaaacc ccctgttttt   300

ttttttttaac cccccc   316

<210>   7584
<211>   486
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086b12a1

<400>   7584

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ttgagcagta tgctgagaaa gcaaagactt tgccaccgac tcaatcaaac gaagacttgc   120

ttatccttta tggattgtac aaacaggcca ccgttggacc tgtcaacacc agccgtcctg   180

gaatgttcaa catgagggac agagctaaat gggatgcatg gaaggctgtt gaagggaaat   240

ccaaggacga agcaatgggt gattacatca ttaaggtgaa acagctgctg gaagcagctg   300

gcttgcctgc ttgataacat tgtcatgcct tgctttctga ttctgtgcta gaagttcaca   360

acagtttgga aataaacaat tgcagcgttt gaagctttta ttatcataat catatttatt   420

tctaatgatt tagacatgtt gcttttgagt ttagttatct gtatcactgt tattggaaat   480

gcctgt   486

<210>   7585

                                3384

<211>   463
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086b12d1

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agtaactaaa agactaaaac caacagaaag agacgtgaca aaaattactt gagcacggta   180

actgaagatg cccacataga taaagagccg ccatccacca aatctctgat cacacactca   240

cttcttggat ttcttcagtg cttgagctgg ctgggatgct gttgcaggtg tagtaatttg   300

tgctgctgat ggcctctctc ctggaccttg ggccaagcgc tcctccctcc gagcattttt   360

cctctccctg ctagccttgt tcttggcacg cttcgcctca aactggtcag acaatgtctt   420

ttctcttgcc ttctcagcct tggacttgtg tatgctctcc atc   463

<210>   7586
<211>   503
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086c01a1

<400>   7586

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aataggtata cattaaacat tacactctac aaaatactac aacttatttt cccctacaaa   120

ctctgtttca cttttattag tgcaaactcc agttttacac cattaagaaa atgaagagca   180

catcttcaac gggatcaaat gaggtaattc gttcctattc tgctctttac aacacaattt   240

tttttgctcc tttccttcaa tatcaacact aaactacta aaattataat ctttctatga   300

ttgcagataa aatctgtcat tatcaagccg cctttgatct tacagtttat cgctgccttt   360

agcaacgaac aaaaacatca tccctgttcc agcgttctac catacacaat gggcaccaca   420

gtatctagag ttcgttcatc taagatataa tggagcaatc tacaaaatac aggtcatgcg   480

ccacaaagaa gagtctattt ggc   503

<210>   7587

<211> 472
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086c01d1

<400> 7587

ccactacgta cacgcacatt ctcctcaaag acaacaatgg caccaacagc caagactctg   60

acttacctgg cccaggagaa aaccctagaa tcgagcttcg ttcgggacga ggaggagcgt   120

cccaaggttg cctacaacga attcagcgac gagatcccag tgatttctct tgccggaatc   180

gacgaggtgg atggacgcag aagagagatt tgtgagaaga tcgtggaggc ttgcgagaat   240

tggggtatat tccaggttgt tgatcacggt gtggatcaac aactcgtggc cgagatgacc   300

cgtctcgcca aagagttctt tgctttgcca ccggacgaga agcttcgttt tgatatgtcc   360

ggcgccaaaa agggtggatt cattgtctcc agccatctcc aaggggaatc ggtgcaggac   420

tggagagaaa tagtgacata cttttcgtac ccaaaaagag agagggacta tt   472

<210> 7588
<211> 120
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086c02a1

<400> 7588

tttttttttt tttttagtca gtggggagtg ggaccattta aaaggaaagg atggttacga   60

atgatgtatc gggagaaaac tttaatacaa gttgaattat aatatggtta gttaccttgt   120

<210> 7589
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220086c03a1

<400> 7589

ggaggtcgta gatcttttag ctatgagttc tttccaaagg aagggcaacc tagtgacaaa   60

cccatatttt tcccattcct ctatgaaacc tcagacattg atgaaaacaa tctttaccct   120

tttgtccacc tttctagtga tggcaatctc ttcatctttg ccaacaaccg ttccctcctt   180

3386

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ctcaacccta ccaccaacac agtggttcgc acctaccccg tncttcccgg tggttcccgg    240

aactacccgg ctttcggcat gtcttccatc ctccctataa aactcgatgg cactgagcta    300

agtagtgcct tcatcaaggt agaggtcctt gtatgtggtg caacagcca tgatagtttc    360

atc                                                                  363
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<210>   7590
<211>   310
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086c03d1

<400>   7590

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aacaaacgta ggtgggatat tagagtacta ttattaatgg gacacaattg agttcaacac     60

aaaccgaact tatttttaag ggacattatt acagacccat taaacatcaa agttcttcaa    120

atgttttggg aacacatcca acattacaca acgagcttaa aacccccac ggagaccgag     180

gacaaggtga agggttgatt ccttctggat gttgtagtca gcgagggtcc ttccatcctt    240

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aatcttggcc                                                          310
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<210>   7591
<211>   477
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220086c04a1

<400>   7591

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agcaaaaaat gttcatcgag agtttcaagg ttgagagtcc taacgtgaag tacacagaga    120

ctgagattca gtccgtgtac aactatgaaa ccactgaact tgttcacgag aacaataatg    180

gcacttatca gtgggttgtc aagcccaaaa ctgtcaaata tgaatttaaa accaacaccc    240

atgtccctaa actaggggta atgcttgtgg ggtggggggg aaacaatggc tcaaccctca    300

ctggtggtgt tattgctaac cgagagggta tttcatgggc aacaaaggac aagattcaac    360
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aagccaatta ctttgggtcg ctgacccagg catcagctat cagagtgggg tctttccaag   420

gggaagaaat atatgctcca ttcaagagcc tgcttncaat ggtgaaccct gatgatg   477

<210>   7592
<211>   478
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086c04d1

<400>   7592

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tgctctcaaa ttagtcagca ggaacaaaga tagagagatc caacgatctt taaatttcac   120

atttgccata aatatataac agaaaagagg gtatgggata tgagttaagt tttgatctca   180

ttcaactaca gtatcccaaa ccattactct taagactttg aacttcactt gtactccagg   240

atcatgttgt tctcaggagc taatccaaca caagcccttа ggatgttttc cagcatagct   300

cgctgctttg acagtgcatt aaccactggc gtactcggtg aaccagagg ggccttggtc   360

aggtaactga ggatggtcgc aactgggtgg aatgagtgga actttccctc attttcagct   420

ttaaactcga ttcgagtgct aagctcagca agaaggacca agtccaagat aataggag   478

<210>   7593
<211>   453
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086c05a1

<400>   7593

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ggcacatcac ttccctctac aaggcaagaa tattcattcc tctcttcctc ttgccaccac   120

ctattgcttg ctttgcttct gtttcgctcc actccgagat ctacacacta ttccagtgca   180

gtattgggca aatgcaactg ctggtgaaaa ttgggtagtt aatttgcaag gcgacacacc   240

tggaacttgg gaagctgcag taatggatct tgacggaggg tgttcagcaa cagttagcac   300

aggagcacag gcaagttcag gacgttcaga cacgacatgg tgcgacctat cggattacac   360

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tattgatggg tatcaatttc attcctgatg gac   453

<210>   7594
<211>   468
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086c05d1

<400>   7594

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ctttctattt caatatagta cctttttttt gtgcgtgtac aatggcaaag ctgaggtttg   120

attttatgac ctcaagcaaa ccacccaaac tcaactatgc cactcctaat ggctcatttg   180

catgatagtt aaagccaaag gaattgttta ccctgcttca tcttttacaa ttaaatacat   240

cagttttaat aacaagaatg tgtatcctgt gtgtcgctta agaaaagtat taccattgta   300

ccacgtacct attcaggtag caatgttgtt cctattccaa gataagtagg ccgtgtcccc   360

ataaggtcta ggattcttca catgaagcaa caggaagatg atggagacta atatacagaa   420

ggcaccaaca aataaattgg caactccaag gaagtgattt tttccacc   468

<210>   7595
<211>   475
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086c06d1

<400>   7595

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tcaagccaag tacatcagcg agtatataaa aatccaaaaa ctcgatcccc ctccacaaga   120

gaaaacatca aaagtccaaa aaagagctaa tgctcctcca acaagtaaca ccactggttt   180

cagaaaccga tttattcaga cctctcattt tttgctcgag caagacacta aatcgcagct   240

aaacataaac atacggtaat aatgtgaaga caagctactt tgaagtaaca ccttaaagag   300

acttcttggc aacgaataca agaagatcaa tgacacgtga gctgtatccc cactcgttgt   360

cgtaccaaga aacaagcttc acaaagttct tattcaatgc aattccagcc tttgcatcaa   420

aaatacttga tctgctatcg ccgataaagt cagtggagac cacatcatct tcagt   475

3389

<210> 7596
<211> 109
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086c07a1

<400> 7596

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tggtactcta gaaacatgat tgccaataaa atgaactttt tttcttagc   109

<210> 7597
<211> 133
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086c07d1

<400> 7597

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caaatgcaac aaaatgaagt agcaattact aatggatgac taatgcctga ctcacggtaa   120

caacaaagtt ttt   133

<210> 7598
<211> 400
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086c08a1

<400> 7598

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catattcggc cgcttcttat tgtgcttgaa ctatctgtga cgagcataat ggccaagaga   120

gcagtgcttt tgtctggact aatgagcgtg ccctcggtca tggatgcggc catacgccca   180

gcaaagaacc ctttttgcga cacgggtgct gtctactgag aaccttgccg agctggtttt   240

gagacctgag caaccaccta ccttggcggt gctgagataa tgttgcaatg cacgagcagg   300

cttaccaacc aggttgtgtt caccacgaag gggtacactg gctcaactgg agcctacaca   360

atgtacgtgg accaggagca cgcacatcaa atatgcagtg   400

3390

<210> 7599
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220086c08d1

<400> 7599

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cgcccttttt tttttttttt tgaaaaggaa taactggtac catctattac attaatataa   120

tcgatctaca aacgatcaca ccgagaactt cattgaacag agagcatgaa ctacttattt   180

tccattacag tacacgagag gagtacgaag tttattttga gatacgatgt agctgtactt   240

ataaaggcat ttagaaatgg aaccgataac tttatagttt gagatagagt attatactct   300

tatggagttg gaattggctt gtgaattggc aatggtggta gaagtggttt cttgaatttg   360

gggtgaagtg gtagcttagg aataataggc tttttgaaga aaggctttgg ttttagaaat   420

tcctccgact caacagtcgg gatgggcttt ttcactataa atgggtttgg gataggctta   480

ataat   485

<210> 7600
<211> 487
<212> DNA
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<223> Clone ID: jC-gmfl02220086c09a1

<400> 7600

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tttctctcat cctggtggtg ggtgtggcaa tcggcgtggt ggtcgccgtg aacaagaagg   180

gcgaggatcc tgcagttgaa tcccaccaaa aatacgtagg ggtcatatgc caaaacaccg   240

atgagaaaaa gctctgccat gacaccctga gctccgtgaa gggcatggac agcgctgacc   300

ccaaggccta catcgccacc gttgtgaaag ccaccatgga cagcgtgacc agggccttca   360

acatgagcga caggctcacc acagagtacg gtggcagcga taacggaacc aagatggccc   420

ttgacgactg caaagacctc ttgcaatcag ccatcgagag cctccagctc agcactgaca   480

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<210>      7601
<211>      492
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220086c09d1

<400>      7601

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tagatcttga tgtaataata taattaagca gggtcggtcc atcaacatat ataacatgat   120

aatatgaaaa tgtcgagata agactccaca tcaagattga attaaataga cattagaaaa   180

cccgaatcga aagtagatta ataataacag tcttactgaa attaattacg taattaattc   240

tcattgtcga actcctcgta ttgcctgagg acctcagcac agccagaagc aacctcctga   300

gacatgaagc ccatggcatt ggcgaaccta tcatcggatg caatgccgat gtagcgggtg   360

agaataacca cagcttcgtc gcggcccggg gtgacttcct tgcattgagg gtgagggctg   420

cttacacgct tggcactgga tatttgatct gcgtgatcct cgtgcacgta cattgcgtat   480

gctccagttg ag                                                        492


<210>      7602
<211>      463
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220086c10a1

<400>      7602

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gcatcttgtg ttgtgtccct cttttaagct atttccttct cttaacacaa ttggttgtgc   180

caattgccat agtcaccaac caattaacaa aggtatatat atcatcatat catcaccaaa   240

tgaaaaatat tgggttgttt tttcttgtgg tggtggctac ttttgtggtg gcagccacag   300

ctggtagctt ttaccaagac tttgaaataa cgtggggtgg tgagcgtgcc aaaatctatg   360

agaatggaaa ccttctcaca ctctcccttg acagagcctc tggctctggc tttcgttcca   420
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aaaaagagta cttgttcgga aaaattgaca tgcagctcaa gct   463

<210>   7603
<211>   471
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086c10d1

<400>   7603

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ttgcctcact agtttacaac cctaaaacac aagctttggc gtatatatgt tattgagttt   120

tgggggggaaa tttcacaacc acaagacaca gacaacaaca gaaaatatat atacacatac   180

aaatgaacct cttataattt tataacttaa gcaaggattc ttgtaaaatg atttcggagt   240

aaaaaaaaaa aggaaaaaag aaaatgtaac tggcaagatt tcatgagtta attgttttgc   300

tctttatctt gcccactgtt ctcttcaggg ctgctttcct gcgcatgaat aaccgtagcg   360

gttccgcaat cctcattgtg tttcacctca ctatcattgg ttgtctgtgc ctgcacattt   420

gaagctgaat ttgtttgctg ctctgttatc aagctagtaa ggccattttg c   471

<210>   7604
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086c11a1

<400>   7604

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gaattgaagc tctgttcctt catgtgacga caatctccaa cgtcatctga gctctcgtat   120

attccccagc catggccgaa aaggtcacca taatgaggct caaggttgat cttcagtgcc   180

acaaatgcta caagaaggtc aagaagattc tctgcaaatt ccctcaaatc cgagaccagg   240

tgtacgacga gaagaataac atcgtgacca tcgcggtggt ttgctgtaac cctgagaagc   300

tcagggacaa aatttgctgc aaaggttgtg gtacgatcaa aagcattgaa attgttgagc   360

ctcccaagcc caaaccacca cctcaaccag aaaagcccaa ggaaccagag aagccaaaag   420

agccacagaa gccgaaagag ccagagaagc cgaaagagcc agagaaaccg aaggagccac   480

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cgaagcct

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<210>      7605
<211>      442
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220086c11d1

<400>      7605

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ccatgaatat aattttgcac gctataatta tctttcgcca caaacaatgg agtagtgctc    120

aacaaagcac aaaccaacaa taataacagt tttagttgca ttaatttaca caagaaagta    180

aattaacgta ataggcaaca catgtgtgtc acgttcatga ggatcatttt ataatgatat    240

gcaacattga attaaatatt ctcatgcaat ggagcattct ggaggaaggc cttgagggaa    300

acgtctgata tcagtgcaat aattgtaaat catgtaattc ttttgcaccc aacggatctt    360

tgcctgcccc gtggcgtcca gtgattggcc agtggaggaa gaagtttggg aattgaagtt    420

tctgtatgag gctgtgaatg gg                                            442


<210>      7606
<211>      485
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220086c12a1

<400>      7606

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cacttcctct gccaatgtcg aagctcgcat tctcagattc gtctattccc tctacctttt    120

gaatcccttc tatctcctca acttcttctt tgcccgtctc atgagaggga agtctcttgc    180

tgattgatga catggagcag tatgaaatac ttgagcaaat tggaaaaggt gctttcggtt    240

ctgctcttct tgtgaagcat aagcacgaga agaaaaaata tgtgctgaag aagattcgcc    300

ttgcccgcca aactgagcgc tgtcgtaggt ctgcacacct ggagatggag ctcctctcca    360

aattaagaaa tccatttctt gcggagtata aagattcatg ggtagaaaaa ggttgctatg    420

tgttcattat tataggctat tgtgagggcg gagacatggc ggaagctata aagaaagcta    480
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gtggt   485

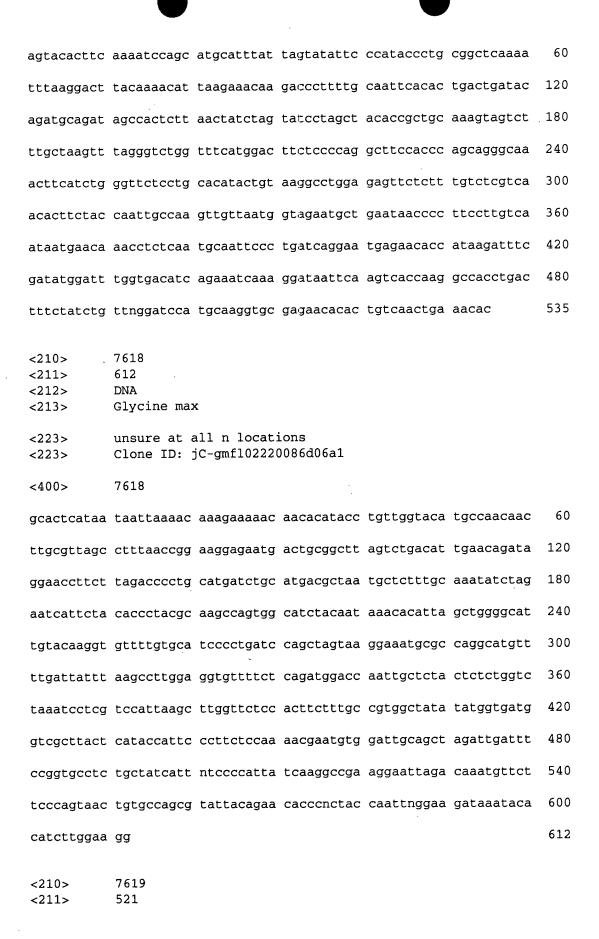<210>   7607
<211>   514
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086c12d1

<400>   7607

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aaaagttcag caaaacaaat accattggat ggaaagccta atttagaagt cttgaaatct   120

tagactaaaa tacgtctctg caaacaaact acaacagcag aaggaaaaca cgaaataaac   180

agatagatat tactttcttg atctcacggg catgcttcac tactattctc tgcttcttca   240

agcatttgca caacctgtgc aacccettct tctatttcct tcctgatgac tccatcaggc   300

atatcaaatg tccttctttt gaagtagagc gatgctgatc ttccaccagg ctggggatct   360

accacatcaa gcattgcttc cagctcatcc accattgacc tcttcgcaga tcttaccata   420

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cgctggcgtt ccccgcatca cgagctacat gacg   515

<210>   7608
<211>   274
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086d01a1

<400>   7608

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tgcatgagta caggcttgtt gaagaggagc ttgagagggc tgggtctgga tcctctcagc   120

ctcaggatgc gtatgttttg tgtagagtgt ctcacaaaaa taacatagga cccccaaatg   180

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gggcaaacct tggggttacc cgttttttgg ccac   274

<210>   7609
<211>   490

3395

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<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220086d01d1

<400>      7609

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gaagatgatt gaggtggttt tgaacgatcg attggggaag aaggtgcgcg tgaagtgcaa   120

cgacgatgat accatcggcg acctgaagaa gcttgtggcg ctcagactg gcacaagagc   180

cgacaagatc cgcatccaga agtggtacac catctacaag gatcacatca ctctcaagga   240

ttacgagatc catgacggca tgggtctcga actctactac aactaaacac aacaaggtgt   300

gttttatgcg taatatacta tgtgctggga atgggataag cgctaaatgt aattctgact   360

tgcgaaagtt cccatgattt gaaataatgt acatctccaa atgatattgg gtattatata   420

ccgttgacag cttaagttgc tttgttatat aacctatatc tgatgacttg tttggcttgt   480

                                                                     490
tgctaagctt


<210>      7610
<211>      496
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220086d02a1

<400>      7610

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aagctgtggc actctcaagg gaaagagaga aagatgctgc caatatcaag agactacttg   120

aggaagggga cttggtgatt tgccctgaag gcacaacttg tagagagcct ttcctcttga   180

ggttcagtgc actatttgct gaactcactg ataggattgt cccagttgct attaacacaa   240

agcaaagtgt gttctacgga accacggttt gcggacacaa gttgttggac ccgtactttg   300

tgttcatgaa tccaatgcca acatatgaga tcactttctt gaaccagctt cccaaggagc   360

tcacatgcag tggagggaaa tcagctattg aagttgcaaa ctacattcan agggttcttg   420

cagggactat gggatntgag tgcacaaatt tgactaggaa gagcaaatat gccatgcttg   480

                                                                     496
caggcacaga tgggac
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<210> 7611
<211> 467
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086d02d1

<400> 7611

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ggattaaatt agcacagttc tacagatcca cagaaagaat aaactaaact tccaactgtt    60

ttggcttgtt tattgctaaa aacatttatt cactccacac atatctactt atctataagt   120

acttaagagc gcataaagta catataatcc atagaacgtt aataactcta cactgaaata   180

atctgccaaa agagtttggc ttgggactag ccgggagaag gttgggtatc atttgacacc   240

cacataatct agggtaaggg taagggtcgg caaccaagta atcaataacg cctaccaccg   300

gctgtcgaca gaagaactcg atttggtttc tttcccttct tccccaactc atttgtcttt   360

ggtgcattcg agcttatatt agattctgct cttgatataa cattggagta tgattgtgtc   420

tccccatttc tcaagcctgt tgagacagaa gaatcagagg tcctgtt                 467
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<210> 7612
<211> 521
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086d03a1

<400> 7612

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cacaaaggtg atagctggaa aaggtgtcct ttgtgctttg tgatgatatc tgccaaggat    60

ttatatacct tgcacatcac aaatgtaaaa cagtatcaag taggagataa tgttgagttc   120

accttttaa cacggaaaaa ggattccttt actctgtcac ttaaaaataa acgagagaca   180

aataccacat caggtgtcga tggagatatc tgtgatccct tttctaagtt cactcttata   240

tcagatgtag atctctcagt gaagcatgca atatccgatc tagatggttg gctagccaga   300

gctgattcag gtcttgttga tgacctggag aagcttcctt atgtttgtgc tgcaatgcaa   360

caattagaac agaggaagag gtattggagt gagcacaggt ctcatgacag tgaaaaatct   420

tctatgatta ttgattgtgg acaccagata ccatcaacag ttgcaaattc tatggatact   480

gatgatgaat actgttctaa tggatcaata acttcttctt c                       521
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3397

<210> 7613
<211> 122
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086d03d1

<400> 7613

tttttttttt ttttttttaca aggtaactaa ccatattata attcaacttg tattaaagtt   60

ttctcccgat acatcattcg taaccatcct ttccttttaa atggtcccac tccccactga   120

ct   122

<210> 7614
<211> 436
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086d04a1

<400> 7614

gcaaagtaaa gctctcttgg ttttgggaac cgaaacctaa gaaaaacgca gaatctgttt   60

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ccatatgcta caagcgcggt tccctccagc ttctcgatca gagaaagctc cctctggaga   180

cagtttactt ggaaattcgg gattcaacgg atggctggaa tgccatacgg gaaatggtgg   240

tccggggagc acctgctatt gcaattgcag cggcactctc tttggctgtg gaggtgttca   300

atttagattt taatgggtca gctactgatg ctgtatcctt gctgcagaag aaattagaat   360

atcttgtcac aagtcggcca actgcagtga acctatcaga tgctgcgaca aaactcaaag   420

aagtgatatc aaatgc   436

<210> 7615
<211> 455
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086d04d1

<400> 7615

ggacaagggg tcaattttta tcatatctaa tgtttataca atggatcact acacatatga   60

3398

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cataattatc tcatgcaata taatatattt ttccatgcca taccaaacat tgcataatat    120

attgatgtta tcatcttata caattaggtc tcaaagttaa taagtcttat ctaacttgcg    180

taccaaagag gctcttaaag aaccctacca ctccaatact tttcaagcct acaatgttgt    240

aacgtgtgat aaaaatctca ctctacctta acctgttttc tgtacgaagg ctttgatgtc    300

aaatgcatca ccagcagatg tcttcgtaat gacacccttc tcagtgatga tccccgatat    360

tagattagca ggagtaacat caaaagctgg gttccacaca gaaattcctg aggcagcaat    420

ctgctctcca agtcctccat gtgtgttcag caatt                               455
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<210>      7616
<211>      482
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220086d05a1

<400>      7616

ctttcttttc ttctcgcaga gcgaaatccc aatcccacac aaatggcatg ctcagccacc     60

tctgcttctc tcttctccgc aaaccccaca cctctcttct ctcccaaatc ctgcctctcc    120

ctccctaaca actctctcca cctcaaccct ctccccacgc gcccttctct ctccctcacg    180

cgcccctcgc acactcgccg ctccttcgtc gtcaaagcct actccagcga gcttccgcta    240

gatggaaaca cgcgaccgga tttcgaagca gaggctgtag ttgaccagta gtctatcaac    300

gtgaaactat ctgattacat tgggaagaaa tatgttgtgc tcttcttcta cccgttggac    360

ttcactattg tttgtcccac agaaatcact gctttcagtg accggcatgc agagttcgag    420

gcactaaata ctgagacatt gggtgtntca gttgacagtg tgttctcgca ccttgcatgg    480

at                                                                    482
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<210>      7617
<211>      535
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220086d05d1

<400>      7617
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agtacacttc aaaatccagc atgcatttat tagtatattc ccataccctg cggctcaaaa   60

tttaaggact tacaaaacat taagaaacaa gacccttttg caattcacac tgactgatac   120

agatgcagat agccactctt aactatctag tatcctagct acaccgctgc aaagtagtct   180

ttgctaagtt tagggtctgg tttcatggac ttctccccag cttccaccc agcagggcaa   240

acttcatctg ggttctcctg cacatactgt aaggcctgga gagttctctt tgtctcgtca   300

acacttctac caattgccaa gttgttaatg gtagaatgct gaataacccc ttccttgtca   360

ataatgaaca aacctctcaa tgcaattccc tgatcaggaa tgagaacacc ataagatttc   420

gatatggatt tggtgacatc agaaatcaaa ggataattca agtcaccaag gccacctgac   480

tttctatctg ttnggatcca tgcaaggtgc gagaacacac tgtcaactga aacac   535

<210>   7618
<211>   612
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220086d06a1

<400>   7618

gcactcataa taattaaaac aaagaaaaac aacacatacc tgttggtaca tgccaacaac   60

ttgcgttagc ctttaaccgg aaggagaatg actgcggctt agtctgacat tgaacagata   120

ggaaccttct tagacccctg catgatctgc atgacgctaa tgctctttgc aaatatctag   180

aatcattcta caccctacgc aagccagtgg catctacaat aaacacatta gctggggcat   240

tgtacaaggt gttttgtgca tcccctgatc cagctagtaa ggaaatgcgc caggcatgtt   300

ttgattattt aagccttgga ggtgttttct cagatggacc aattgctcta ctctctggtc   360

taaatcctcg tccattaagc ttggttctcc acttctttgc cgtggctata tatggtgatg   420

gtcgcttact cataccattc ccttctccaa aacgaatgtg gattgcagct agattgattt   480

ccggtgcctc tgctatcatt ntccccatta tcaaggccga aggaattaga caaatgttct   540

tcccagtaac tgtgccagcg tattacagaa cacccnctac caattnggaa gataaataca   600

catcttggaa gg   612

<210>   7619
<211>   521

3400

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086d06d1

<400> 7619

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caaaacaaat taacagaaga acaagcagca tttacacatt tccaacagca agaggcattt   180

tgactttggc cttaggtgtt tgctaatttt atttatgtag ccatctaaaa tactgagatc   240

ttaggtcaaa gcatccatcc aggaataaat ccattgactt gttgagcttg agttgtggca   300

gctagctgct gctctgaggc ttcagggatg tacctgtagt cagaacctat ctgcaatgtg   360

gggttgcact ccaaaggctg gaagaagcct tgagagtgag catttttgggt tccatatggc   420

atactttgct caccagcttc ccatgtttgc ctatactggt ttcttgaatt gatttcttcc   480

agcttcatgg tcaaagatct gtttgcttca ccaacatatg c   521

<210> 7620
<211> 134
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086d07a1

<400> 7620

cttctgagct ctgattaggg tcgcctagcc gaggggttct ctatgagaaa ggcttcttcc   60

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tatgctcctt ctgt   134

<210> 7621
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220086d07d1

<400> 7621

gcgaatccgt gccccccggg tcgacgagct acggcggccg ccctttttttt ttttttttttg   60

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gagaacttca ttgaacagag agcatgaact acttattttc cattacagta cacgagagga   180

gtacgaagtt tattttgaga tacgatgtat ctgtgcttat aaaggcattt agaaatggaa   240

ccgatgactn tatagtttga gatagagtat tatactctta tggag   285

<210>   7622
<211>   363
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086d08a1

<400>   7622

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ttattaaaga atcattgcag aggagaattt ccatgaactt tgactattat atcagtgcga   120

gtactgactt tgtgttatta gatgagacaa ctttaatcaa tatcattaag catccagatc   180

tgacagtaac gtctgaagag aaagtcctta atgcaattct aatgtttggc atgaatgcaa   240

aacagttgtt tgggtgggaa gtggtggatc agttaatgga aaattcaaaa ccagaactcc   300

tttttggtga gaggcttcag ttaatctatg acttgttgcc atttgtgcga tttccactac   360

tac   363

<210>   7623
<211>   295
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086d08d1

<400>   7623

agaaccacaa cccctttatcc atgacttgat tcaaataatt tagtcaataa gcaaaccata   60

atgtacatga aggagctgga attgtatttt aggaaggtat ggtattggca tggctaggct   120

ttaaaggaag tagccataca attccaagta acaaatgcag aaattccagg gattgggggc   180

atcggggggg gttcctgtga gcacaacccg gaaatacctg aagggaaaca aagcgttggg   240

gccaattatg ggccaagagg caaactggcc aggtttacat atactccgat cattt   295

<210>   7624

<211> 471
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086d09a1

<400> 7624

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ctgggttgca gggaaaaaga aaaataaaat gggttccgat aataccaact tggagttctt   60

gaaggagatc ggtttgggct cctccaacat tggttcttac attaatggcc aatggaaagc  120

cactggttct tctgtcactt ctgttaatcc ttctaacaat cagagcatag ctcaagtgac  180

tgaagcgact ttgcaagatt atgaggaggg attgcaagct tgcagtgaag cagccaagac  240

atggatgact attccggcac cgaagagagg tgagattgtg agacagattg gtgaagcatt  300

gagggccaag ttggatcctt tgggtagact ggtgtctctt gagatgggaa aaattctccc  360

agaaggaatt ggggaagttc aggaaattat tgatatgtgt gattattgtg ttgggctaag  420

cagacaattg aatggatcaa ttataccatc agaacgtcca gatcatatga t            471
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<210> 7625
<211> 149
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086d09d1

<400> 7625

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gaaaaatatg attaaaatat tttcataagg tattttagaa agcttataag ataaatccaa   60

atatactgca aattagttct gccaaaaaca tcctaaaagt tatgatcttc atcataaaat  120

gaaagaggga ggtgggggcg tggagggtg                                     149
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<210> 7626
<211> 493
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086d10a1

<400> 7626

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ttttaaaatt aaccatcgat ttagttgcaa ctggaacaca ggtttctttc aatgaaataa   60

tattaatatc aatttaataa gctggtaatg taaaatactg ctaatgttaa tatgaagttt  120
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ggatggtctt attggcagaa gatgctaggt ggtgttcatc aatattctga aaggtaaaac   180

gattttggtt tttaatgata atataaccat gaatctaaca tcagatattg aacgctacac   240

atcaaaaata aatcgagcca acgcatttaa ttgtaagtgt cttcatatta cctgtgttct   300

gtcacatctt tttgcataat attggcacta agtctttttt gatagaaatt gtgaagatgt   360

actgttatca ttgtatcaac tatattgtgc ccttcttttt ttatttgatt tggcaaacac   420

ggctactttt ctccaaataa gatggatcat ttgtattgcc ggctttgtgc acaattatct   480

acttgtaaga agt   493

<210>   7627
<211>   471
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086d10d1

<400>   7627

aggggtaagg taagattaga tgatttgcat tcaacggtct tgtaccagag ttgacactca   60

atcaggtcac agtacagaag aaattaacag gtttcattgt ggtaaactag tagcaatgca   120

catcacaact gaaaagatgt tattctaaag ctaatcaggg atgaaaattg tagttgagaa   180

tccctttttaa cacagttcaa tgctttcccc tcgaaaaatt ttgccttcaa atttgtaggg   240

cattagcaat agacccggct agactcagca cttcaaaagg agctgtattt gctacagctt   300

tgacagtaag agggcaagaa tctgtaatcc agaagtaggc aaatgcattc tccaaggcgt   360

cttttttatg agtgaatcgc tcccatgatt ggttaggaaa cacgccatgg gtaacatagg   420

cactcacctt tgctgcacca ttggctgcca aaactttctg acactcaatc a   471

<210>   7628
<211>   495
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086d11a1

<400>   7628

cttagaagca aatgctggca tggtatccca gattcgtgtg gcaagaccac ctgctgaagg   60

acggggaagg aatcaattgc ttccacgtta ttggcctagg attaccgatc aagagttgca   120

3404

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acaaatatca ggagattcaa attctacgat tgtgccactc tttgaaaaga tgcttagtgc   180

aagtgatgct ggtcgaattg gtcgcttggt tttaccaaaa gcatgtgctg aagcatattt   240

ccctccaatc tctcaaccag agggccttcc tttacgaatc caagatgtga aaggaaaaga   300

atggatgttt cagtttagat tttggccaaa taataacagc aggatgtatg ttttagaagg   360

tgtaacccccc tgcattcagt ctatgcaatt gcaagctgga gatactgtaa catttagccg   420

tatggaccct gaggggaaac ttataatggg gtttagaaag gcaacaaatt ctactgcagt   480

acaggaaaca ctacc                                                      495


<210>       7629
<211>       504
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220086d11d1

<400>       7629

ggttctaaaa aaattaataa tatactgaat aaagtgtcga agaacaataa ttaaattaat    60

tcaaggaatt aaattaaaac aataattata ttgatcaact aaatctacca tatgaaaatt   120

tcattcttta cttgtaaaga gccgaaatta tcttcacctt aataattgta gatgtagaag   180

aataatcaga atcttcctaa atccacgtaa tttcttcgaa aatgctttgc ccaacacaat   240

gatattgtca caccagaagc tatgcggcgt cttccatttg atattccatt tatcgcctgg   300

agatttacaa tgctaatgac ctatttctgc attacaaacg ttgttgcccg aaattggact   360

tcttacaagt agataattgt gcacaaagcc ggcaatacaa atgatccatc ttatttggag   420

aaaagtagcc gtgtttgcca aatcaaataa aaaaagaagg cacaatatta gttgatacaa   480

tgataacagt acatcttcac aatt                                           504


<210>       7630
<211>       490
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmfl02220086d12a1

<400>       7630

caaaggttgg catgccgatg aagtcattgg atatatttag ggaaatgcag tcaaaactag    60
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gtagaacaga tgttgccgca tataatcaaa taatagagat actatgcaaa gcacaagaat 120

cagaattggc agaatcaatc atggaagatt ttgtcaggag tggtctgaag cctgttacgc 180

catcatatgt ttatttacta agcatgtact tcactttgga attacatgat aaattggaag 240

aggcattcta ccagtgcttg gagaaatgtc gtccaaattg tactttatac agtatatatc 300

tgaattcttt ggtgaaaata ggtaatattg acaaggccga ggatatattt aaccaaatga 360

atcgtgatgc gactatcggt gttaatgctc gatcatgtaa catcatctta agtggatacc 420

tctcttcggg aaaccactta aaggcagaga aggtctatga ctttatgtgt ctaanaaagt 480

atgaaattaa 490

<210>   7631
<211>   493
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086d12d1

<400>   7631

ggttctaaaa aaattaataa tatactgaat aaagtgtcga agaacaataa ttaaattaat 60

tcaaggaatt aaattaaaac aataattata ttgatcaact aaatctacca tatgaaaatt 120

tcattctttta cttgtaaaga gccgaaatta tcttcacctt aataattgta gatgtagaag 180

aataatcaga atcttcctaa atccacgtaa tttcttcgaa aatgctttgc ccaacacaat 240

gatattgtca caccagaagc tatgcggcgt cttccatttg atattccatt tatcgcctgg 300

agatttacaa tgctaatgac ctatttctgc attacaaacg ttgttgcccg aaattggact 360

tcttacaagt agataattgt gcacaaagcc ggcaatacaa atgatccatc ttatttggag 420

aaaagtagcc gtgtttgcca atcaaataa aaaaagaagg gcacaatata gttgatacaa 480

tgataacagt gca 493

<210>   7632
<211>   472
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220086e01a1

3406

<400>   7632

gtttgttgtt gtaactcgtt cttcttcttt tgttgttctg tgtttgtgtt tgttttttct   60

ctcacctgaa aatgtcttgc tgcggtggtc actgaggttg aggaagcttc tgcgagtgcg   120

gcaacggctg cggaggctgc aagatgtacc cagacttgag ctacactgag tcaaccacca   180

ccgagacctt ggtcatggga gtggcacctg ttaaggctca atttgagggt gctgaaatgg   240

gtgtgcccgc tgagaacgat ggctgcaaat gtggaccaaa ctgctcctgc aacccctgca   300

cttgcaagtg aggtgttggg agagcaagct tcaagcagag atagccctta attaggaata   360

atgataaact attaatgtgt agctaagaac ttatgtatta tgtctgtgat ggttntcgtg   420

cactctggtg ttttgtgtta aacatacatc cttagaataa agtggtcatg tc   472

<210>   7633
<211>   480
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086e01d1

<400>   7633

agctttcaag agacaaactg ttttgaaaaa tgggatccaa ggttgttgca tccgttgccc   60

ttctcctctc catcaacatc cttttcattt ccatggttag ctccagcagc cactacgatc   120

caccgccccc accttgttac gtccctgctc ctttaacacc accaccatca ttgtcaccac   180

caccgtcatt gtcaccacca ccaccgtcag gacctagttg tccggatctg agtgtttgcc   240

tcaatatttt agacgggtct cccgcggatg attgttgtgc cctcatcgct gatcttgttg   300

accttgaagc tctgtgtgtgc ctttgcatcc aactcagggt cctcggaata gtaaaccttg   360

accttaattt gcagttaata ttaaacgcct gtggaccaag ctacccgtca aacgccactt   420

gcccccgaac ctaagaacag aatatgtatg gcactaatca ccatattact tcgtatcatg   480

<210>   7634
<211>   421
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086e02a1

<400>   7634

ctctcaagtc caacctaccc cttttctttc tcccaccaac ttcaccgtct tcttcctcga   60

tcatgtctca cttcaagggc aagtaccatg atgagcttat tgccaatgct gcttacattg   120

gcactcctgg aaagggtatt cttgctgctg atgagtcaac agggacaatt ggcaagcgtt   180

tggccagcat cagtgtagag aatgttgaat ccaacaggcg tgctcttagg gagctgcttt   240

tcaccgctcc cggtgctctt aaatatctca gtggtgtcat cctctttgag gaaactctct   300 .

accagagcac agctgcaggc aagccctttg tggaagtctt gaaggaggct ggtgtgcttc   360

ctggcatcaa ggttgacaag ggcacagttg agcttgctgg cactaatgga gaaaccacca   420

c   421

<210>   7635
<211>   447
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086e02d1

<400>   7635

aacaattaac gatgttgata taagatatat aacatgaaca gcagcaaatg ttgcaccacc   60

aaaacaatgt tcaagtagtt aatgtatgat ctaacatatt ttcttgctaa acattgactt   120

tgacagcacc cacctaattt gttcagtttc ttggtccttt tattcttaaa attgattaaa   180

aagttattgt aacaataatt cccaattttg ctaacagaaa gccagtctta gccccatgct   240

ttatatctat ttacttttgt atttcttaat ttcttgctat accatgggca aaaaatttct   300

tcataaatac aaacacttat gagactatta caacagaaca tagactatga caaaataatt   360

attacggttt tggaagtttg gactgtgtgt cacttgggga aggaattacc cggccaaggt   420

gaagaagctt ctatacacac ttgcaag   447

<210>   7636
<211>   518
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220086e03a1

<400>   7636

agagaacgag aaaaagacat cgagaaagca atgctggagg ctgagaggga aagggaaaga   60

gaaaaggata ggatggctgt tgatagagca actttagagg ctcgtgatag ggcatatgct   120

gaatcttgtg aaagggctgc atttgaaaga gcaactgtgg aagcacggta caaggcactg   180

gctgaggcca gggaaagact tgagaaggca tgtgctgagg ccagggataa gtcaaacatt   240

gataaagaaa ctatagaggc aagactgaaa gcagaacgcg ctgctgtaga aagagcaact   300

gcagaggctc aagaccgagc tatggaaaaa ttaaagaatg aaaggactgc atttgagtcc   360

agagaatggt tagcgagatc tgtatctgac aattttttgcg gaagaccaga ctcttcatcc   420

tccgatatgc tggatcctga gtttcagaac ttaagctcta ccacaggttc cagacatcca   480

tattcacttt atgngtgctg cctcttntct tagagatc   518

<210>   7637
<211>   466
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220086e03d1

<400>   7637

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aatttttttc cagccagtga tcagatttta tttctatcat aattctaagt gttttggaaa   120

cacattgggc gccaatacag aataatcaaa acggagaact taatttctct cccttttcaa   180

gccttctcct tagatggaac tgtcccatct gtgcctgcaa gcatggcata tttgctcttc   240

ctagtcaaaa ttgtgcactc aaatcccaaa gtccctgcaa gaaccctttg aatgtagttt   300

gcaacttcaa tagctgattt ccctccactg catgtgagct ccttgggaag ctggttcaag   360

aaagcgatct catatgttgg cattggattc atgaacacaa aagacgggtc caacaacttg   420

tgtccgcaaa ccgtggtttc gtagaacaca ctttgctttg tgttaa   466

<210>   7638
<211>   546
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220086e04a1

<400>   7638

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gtgctcattg gaagatggaa gtgtaatcaa gcctttatat gagcagtcat ttacaattcc    60

aagattcaaa aagcttcaac ttgagccacc ggagattgtt gaaatacagg ctaatgatgg   120

cactacattg tatggagctc tgtataagcc cgatgcttca aagtttggac ctccaccтta   180

caaaactatg atcaatgttt atggtggtcc aagtgtacag cttgtttgta actcttggct   240

tagtacagtt gatctgagag cacaatattt gagaaaccaa ggcatcttag tttggaagtt   300

agacaacaga ggaactgcga gacgggggtt gaaatttgaa agctatttaa aacacaaact   360

tggtcaaatt gatgctgatg atcagctaac cggagcagag tggcttgtca aacaagggct   420

tgcanaaggt ggtcacattg ggttgtacgg atggagctac agcgggtatc tctctgccat   480

gacactgtca agatatccag atttcttcaa gtgtgcaata gcgggcgccc ctgttacatc   540

atggga                                                              546


<210>       7639
<211>       509
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220086e04d1

<400>       7639

gatagccaga agagtttctt tttagggtgt gaagtgggca aaaatagcca tcaaagtagc    60

tttaaggcaa gaagaaataa aaccaactat tgggtaaaaa aaaacttgag aaactactct   120

ggccattcaa ccaaagatgg aataacaagt tattttacag attcctctga atgaagtccc   180

acatcctccc ttccatgtaa actcgatcgc tatgacgcct tggcatgtga cgttcatctg   240

ggaaaactat taactcatac ggttttccag ctgccacaag tgcattgata agtcttgcag   300

tgtgcctgaa gtgaacattc tcatcaatca tgccgtgcac aagcaacaac cgccctttca   360

actgctgcac ttggttcata acagaaccgc tttcatatcc caacttgttt tcagatggca   420

accccatgta cttctctgtg taaaacgtgt catatccgtc ccatgatgta acaggggcgc   480

ccgctattgc acacttgaag aaatctgga                                     509


<210>       7640
<211>       482
<212>       DNA
<213>       Glycine max
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<223>   Clone ID: jC-gmfl02220086e05a1

<400>   7640

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acctcatatt gttccgaatg gaatgatatt gccgggtgat acccttgctt aacgatgaag   120

atgtcactgg ttcaacttcg acctctcttg acaaggcgag ggttcagcac aagctctgag   180

aaccttgttg cttctgtgct ctttgagaga ctgccagtgg tcattcccaa aattgaccct   240

gtagtttatg catttcaaga attctcgttt cgatggcgac aacaatatca acgcagatat   300

cctgatgaat ttctagacaa atctgatgct aggggtaaag gtgattatca gattgactat   360

gtgccagcac caagagtcac tgaagctgac aaaaacaatg atcgaaggtc attacaaaga   420

gctcttgata gaagactcta ccttctactc tatggtaatg catatggtgc tacaagcggg   480

aa   482

<210>   7641
<211>   462
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086e05d1

<400>   7641

gaactctaaa acaagactag ttggtgaact ggtaagatag atatccaaac ataattgtca   60

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ccagaaaaac tatgctagct tgatcttctt tcaaggtccc tcactgtcat ttagagctaa   180

tttgcaatag tttcaactaa acaactatcc tccattgtca tcagctaatg atcatcttgt   240

ttaaaaactc agcttgctcg ggaaaatact ccatcagttc atcctttgtc acccagacat   300

gatcctcaca ttttccgatg ttgaatttgt ttttggcaat aacttgagac ttgaagaaga   360

atctcttaaa agatgtggat ctagactggt cttctgtagg ctgaacaacc atatgggcca   420

ttggagcatt tccaacaaaa tatgtgttag aaagatctcc ta   462

<210>   7642
<211>   360
<212>   DNA
<213>   Glycine max

3411

<223>   Clone ID: jC-gmf102220086e06a1

<400>   7642

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acctcatatt gttccgaatg gaatgatatt gccgggtgat acccttgctt aacgatgaag   120

atgtcactgg ttcaacttcg acctctcttg acaaggcgag ggttcagcac aagctctgag   180

aaccttgatg cttctgtgct ctttgagaga ctgccagcgg tcattcccaa aattgaccct   240

gtagtttatg cattttaaga attctcgttt cgatggcgac cacaatatca acgctgatat   300

cctgaagaat ttctagacag atctgatgct aagggtaaag gtgattatca gagtgactat   360

<210>   7643
<211>   478
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220086e06d1

<400>   7643

gaactctaaa acaagactag ttggtgaact ggtaagatag atatccaaac ataattgtca   60

ataaaattgg gcaaatttgg gatgttaagt gtaacttcaa attgaaatct tcagttatgc   120

ccagaaaaac tatgctagct tgatcttctt tcaaggtccc tcactgtcat ttagagctaa   180

tttgcaatag tttcaactaa acaactatcc tccattgtca tcagctaatg atcatcttgt   240

ttaaaaactc agcttgctcg ggaaaatact ccatcagttc atcctttgtc acccagacat   300

gatcctcaca ttttccgatg ttgaatttgt ttttggcaat aacttgagac ttgaagaaga   360

atctcttaaa agatgtggat ctagactggt cttctgtagg ctgaacaacc atatgggcca   420

ttggagcatt tccaacaaaa tatgtgttag aaagatctcc taagactgat ttcaatgc   478

<210>   7644
<211>   415
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220086e07a1

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tctcgatatg cagatcttcg cgaaaaccct aactggcaag acgaacacct tggaggtgga   120

gtcctttgac accatagact gcggggaggc caaaatccaa gacaaggagg gcattcctcc   180

ggatcaacag cgttaaatct tcgcctgaaa acagttcgaa gacggcagaa cccttgccga   240

ctacaacatc caaaaggagt ccacgctcca cctggaacta cgactgcgtg gaggcatgca   300

aatcttcgtc aaaaccctta ctggcaaaac aatcacgcta gaggtggagt cctccgacac   360

aatcgataac gtgaaagcca agattcaaga taaggaaggg attcctccgg atcaa   415

<210>   7645
<211>   467
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086e07d1

<400>   7645

acataacgaa gaaattatat taataaaatt gaagtacaca tcattaacaa gattccacag   60

taccgaaact agacagggac accacggagc ctaaggacga cagagaaatt ggaaaaagga   120

aagagaaatt attattagaa ctgaaacatc tcattagcaa gattcaactg aactagaaat   180

caccaccacg gagcctgagg acaaggtgaa gcgtggactc cttctgaata ttataatctg   240

caagcgtgcg tccatcctca agctgcttcc ctgcgaagat aagacgctgc tgatccggtg   300

gaatcccctc cttatcctga atctttgcct tcacgttatc gatcgtatca gaactctcca   360

cctccagagt aatcgttttt ccggtgagcg tcttcacgaa gatctgcatc cctccgcgga   420

gacgaagcac cagatgaagc gtcgattcct tttgaatatt gtaatcg   467

<210>   7646
<211>   549
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086e08d1

<400>   7646

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atcagacaaa aaaaatgat aaaacctaca tataatacat aatggagtaa catataaagc   120

caagctgtat acattaactg ccacatcccc cacccccaag gaacttgtaa tagaatggga   180

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ggggagagag aataatacta aagatacaac aattctctgc tatgttatac ttgattgggc   240

cattacaaaa tatataaatt tcagacacaa tacgttgacc tgtgaaggaa attagcatac   300

tgtgcgccca tagcacaaac aagcaaggta aaggtttttt gaccattttt ccttaacatg   360

tgtgcttgga aattgagatg tacgcagagt ttcctgggtt tcatctcctg gcctgcgcct   420

aggaatgcta agtataagag cagattgatc ccatgtagca gcccgtgctg taatcctata   480

accattatcc catcgtctgt ggattccctc actaggatag agaaaatcaa gttcaacaac   540

ctgatcact                                                           549
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<210>      7647
<211>      479
<212>      DNA
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<223>      Clone ID: jC-gmf102220086e09a1

<400>      7647

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gagatccacc atggacgcaa ctctgcgcgc acagcacctc tacgattggt cccgagaata   120

gaaattaact gatcgccgaa acccctgccg agatatactc acttcggata aagtaaacca   180

ctgtacccaa gccctcaacc ttctgaagga gaaacttcac tatccttaag tgatcactga   240

ggaggaacca cactcgcatg cgaacaagat aactccccct gagatgagaa gaggatgcac   300

cgcctcgtat gacgccctca atttgagcaa aaaccgatgc acggacgttt tggcatttaa   360

caagaacagg gtggttctca aagcaagtac tgattataag cctgaagcac acgggtatat   420

caatgcaagc cttatatcca cctcatccgc tggaaatgtg tgccacttta tagccacac    479
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<210>      7648
<211>      491
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220086e09d1

<400>      7648

gtaantactg ctcgctgcgg gagcgaggac gaggtggaga aaatggctga cgagctcagt    60
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3414

aggacgtggg gcggcctcca ttgcatagga aatttatcct cccaaggagc cctccaattt   120

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tgcaactata agcgatggcc tcgggatgcc attaaccgtc acttctatga catccctagt   240

gacctggctt tcacacaacc cctaatcctc ttgtaaccta tgtctgggcg ggatgattac   300

agggtggttc ccaaatctta cccattgaaa tctacttttc ctatgactaa ctttcgagac   360

caggaattca tgttaaatga attgaacttt tgctttaagt aaccatgtat gcggcaaaga   420

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<223>   Clone ID: jC-gmfl02220086e10a1

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acgcgctccc tctccctctt tacctcacca acgccatctt cttcacgctc ttcttctccg   180

tcgcctactt cctcctccac cgctggcgcg acaagatccg cagccacacc cctctccacg   240

ttgtcactct gtccgagatc gccgccattt tctccctcat cgcctccttc atctacctcc   300

tcggcttctt cggcatcgac ttcgtccagt ccttcatctc acgcgcctcc cacgactcct   360

gggacctaga cgacgccgta acagctccct cccccgcaat taccaaattg ccctcacggg   420

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gcaaaaatta attaattaaa aatgaagtga ggcaatttc actcaatgat ggattggata   180

acacctgcac caacggtctt gccaccttcc ctaatagcaa acctcattcc ctgttcgcaa   240

gccacaggca caatgagctc caccaccatc ttcacacggt caccgggcat caccatctgc   300

gactcttcat ccctatcgtt ggtgatagcc gtaaccttcc cagtcacatc ggtggtcctc   360

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ccttgcccag aacgttgctc ttcaatcacc ccacatcgtt ctccagaaca tcaaatggag   180

gtcatttgct gatggatttc caaatatata tataaataat gcagaagaac ttcgaggtca   240

acatgttgct ttcttggcat ctttcagctc ccctgcacat gtctttgaac aactttctgt   300

catatatgca ctccctcgtt tatttgttgc ttccttcaca ttggtattgc ctttctttcc   360

aactggatcc tttgagcgaa tggaggaaga aggagatgta gcaactgcct tcaccctagc   420

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gcgttaacac ccactcaatg gctcggcaga acaagcaacg aaaagtatac aggaaagaaa   180

ggaaggatcc agaaggggac agggaacatg tggagtagaa ctcttctttc ctctctccaa   240

ataattaaag atctacacag acagcaatgc aaagccaaac gtggatgaca acaatctaat   300

ctaatgtttc tccattttcc ttcccaaatt tcgcttaccc tcaatttttt atttattctg   360

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catct                                                             425
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<223>     unsure at all n locations
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gtggcaccaa cattcatttt aatgcatttg atgctctacg tggctggaaa caggaagcat   180

tgccgccagt tgaagttcct gcggcggcta aatggaaatt tagaagcaag ccctctcagc   240

aagtaatact tgattacgac tatacattta caacacctta ttgtggaagt ggcactatgg   300

agattgataa agatccgaat gagggagaga gagagacttc taaggaaacc agtgatatcc   360

attgggaaga ctgcaaggat caaatngatg tagttgcact agcatccaag gagccaatac   420

ttttctatga tgaggtagtg ttatatgaag atgaactcgc tgataatg               468
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ttgaagacac tggaaatcat aagcgcatta caccattatt gaggttttac acttccaaaa   180

gtgaggagga acttaaaagc ctagatgatt atgttgaaaa catgggagaa aaccaaaagg   240

ctatctttta cctagcaact gacagcttga agagtgcaaa gactgctcca tttttggaga   300

aattggttca aaaagatatt gaggttcttt atttggttga acctattgat gaggttgcca   360

ttcagaacct acagacctac aaagaaaaga aatttgttga tatcagcaag gaggatttgg   420

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atgaaatggt taaagatcag cagacccacg ggagctatga cttcatcttt gtggacgcag   180

acaaggacca ctacctcaac taccacacga ggtcgataga gcttgtcaaa gttgtgggag   240

tgatcgggta cgactacacc ctatggaacg gctctgtggt ggcaccccca gatgctcctc   300

tcaggaagta cgttagatac tacagggact tcgtgctcga gctcaacaag gcactcactg   360

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tgatcaagtg atactgactt ctgataatac acaatcgt   458

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<223>   Clone ID: jC-gmfl02220086f02d1

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aacaagaagt agctaatgta accataataa ttgagaatca gctataagtt ccatttgtag　180

gcaattttaa gcattctgca actttgaatc tatgaattat aggtgaatga tcttggttga　240

gttctaagat gtaggaaaag gcacatagga ttgaacacta agataataac ttctcttgta　300

atacaaaagg gtggacttct agttcctagt acggaagatt ttcttattgc aacaaagaaa　360

tactactgaa cttgtaaata gtcccgttga aattcacatt ggtggtggca gccatgttat　420

cataatgggg cttctcacag tgtgcaaacc atccttccat tccatac　467

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<212>　　　DNA
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<223>　　　Clone ID: jC-gmfl02220086f03a1

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atggcactca cacagcagct acagttggag gctctcctgt gcatggagct aaccttctag　180

gttatgctaa tggcacagcc cgaggaatgg ctccaggtgc aaggattgca gcctacaaag　240

tgtgttgggt tggtggttgc ttcagctcag atattgtgtc agctattgat aaagctgtgg　300

ctgatggagt gaatgttctt tccatctctt tgggtggtgg agtctcctct tattacagag　360

atagtttatc agtggcagca tttggagcaa tggaaggggt gttttttggtt catgttctgc　420

tggaaatgca tgacctgacc ctgccagcct caccaatgtg tcaccatgga tcaccacagt　480

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aacaaattac tttttggttt ggaaattacg ctatcattgg gcacttccgg caacataagg    180

ggaccggatt actatggaaa ttttcttttc tataaggcaa cacaaggggg ttggtatttta   240

ttatttggga agggaattgg aagccgcatt gtttctgttt cttttggggg ggcggggggaa   300

gacccgtcat ttttatagtc tttggctttt ccccaccccc cagagtataa acccactggg    360

attatgatgc ccccaatgat gcttcccaag gggaggggtt tttctagaag ggaggggcc     419


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agcgccaaga agaagcgaaa caacttctca cgcgctgtct caatcttgga atctctgctc    180

taaattctaa tcttcccgcc atagatgtcg tcgaacttgt ggcgagggaa ttggaaacgg    240

atccgctgtt caattcgggc cgtggatctg ccctgacagt aaaaggaacg ggggagatgg    300

aggctagcat catggatggt ccaaaacgac gatgcggcgc cgttgtgggt cttaccaccg    360

ttaagaaccc gatctcggtt gcatcgttg                                      389


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gcagaaagac cctacactac agtggaacat ggtacaaaaa tccaaaagtt gcatcgaaac     180

aaccatgaag gaaaataatg aagcttttcc cagattccga cctccatgaa gccattttca    240

ggggcacagc ccctaaacat gccattgcaa ttgaaaccat aagccacttc cccagcgttg    300
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gacacagcaa tgagaccagc cattcctta ttgagacggg gcttgatcac aaaatccacg   360

ggttcttgaa gcttcaagcc tttgtatttc ataacc   396

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tcctgcaaca tcttgcagtg ccggtcctga tcatgaagat atgtaccatt ggcaagctgc   240

aactatgggt ccttcagacc gtccctatgc ttgaagtgta atcctagtga ctattgcata   300

tcct   304

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<223>   Clone ID: jC-gmfl02220086f06d1

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caatacaaac aacaaaaaaa aaatttcccc attcattttc aactggggggg gccttaatcg   180

aagaccccaa attttcatac caggggtgttt ggcctaaaca ctgaaagtaa aaaacgctct   240

tttttttatg tcaattaccc catggcatat ttttgggggcc cgct   284

<210>   7665
<211>   438
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086f07a1

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agccaactta cccaacaaag ggattccaaa tcagatacaa ttacatccta cattacaata   120

acaaaagttt agttttacta tgaaaatacc caactacggg ttttcttttt cttgggtatc   180

ggcggaactt tggagatgac ttaaggtaac tctcgccttt tttgggtggg aagacttttt   240

ttcttttggg ccatcttaat taccccttctt cctttttattt cccacattgt ctttttcatc   300

aatagcagct gcagaagggt cagaactcaa atcacctttta gaacccaagg gggatgtttt   360

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ggagtaagag tacaagaaaa agttccacat atgtggttac agaaaataag aattgagttc   120

agaacaaagg agacaactag tgattaatta acatgatata tataataacg aaagagtcca   180

tcacagtgaa attaaataaa gtgcataaca aagtggtagg agctagcgag attaatcaat   240

tttggagaag cagctaaatt ttaagcagct tttgctgaca accccaggtg atgagtgtgg   300

gagagatcat gcaaatcggt ctcacctttg acctccacaa agtgaatttt tcgaaccgga   360

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086f08a1

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aggccgtttt gtcattggtg gccctcatgg cgatgctggt ctcaccggcc gcaagatcat   180

tatcgatact tatggaggat ggggtgctca tggtggtggt gctttctccg ggaaggaccc   240

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ga   482


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acaaaagatg atacatatta actcgtcact ctttactatg atttcttcta gtggcattta   180

atctaaatct aaagatgata ttcacattaa ggaagcactt tacgacacct aatttaagtg   240

gataagatgc tgtcatttct tcaaggccca tctcttatca atattagagt aaacaatctc   300

ctgacaacgt acaagtccac aagctcctcc aaagcacaac catctttcac tacctttgtt   360

catgttccat ctcactctgt gcaatgcggc tactttggga gggaaggttt caggtatatt   420

cccaaaatct gacttttcat tatcagcctc ggggagtatt   460


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<400>      7669
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ttgtttatct taattaattt tctcgtcatt tagagagcga gcatcacgag ggaagcgatg   180

gcggaagcag caccaaagag tcccatgtag acgcgggaag catcgctgct gggacctggt   240

gccaaagcag aaggtgactg tgcaatgtta tcaccggcac cgtcggcggc ggttgttgca   300

agtggcaccg tagcagatgt cgctgctgct gccgcagatt caacgccagg tgcaacgata   360

ggcttgctaa cctgaagaac cgaaacggtg tcgggttggc tcgtcacgga cctcacaagc   420

acaacctcga aaggtgcatt cggtgcggcg gcggcggaac cgaacgcaat   470

<210>   7670
<211>   444
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086f09d1

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cttacacaca aatctcaaac cctgtaccta attgccaagc caacctatta tttttttacaa   180

gtaaccggcc attcattctg ggacaaataa aaaagacatt tcaattgaaa taaaataaca   240

ataatgacta atcaaccaac caatcacatc atgaactgca tgagtttgaa ccaagcaaac   300

ccaccaccac caccaccata tccctccctc tctttctctg cctctttcgc acaagacgca   360

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ggttggccga acttcagatt cacagaatgc agtctcggga ccggtatagt atctgtgtcc    180

atgccttcca gatttgaatt taaatagtga daccgagatg tgggggtgtg ggcgaccaat    240

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ccaatgttca cgcaaaaatt accaagaggg ttagaggcta tacatagaaa acctgaccaa    180

catttaatag actctcatga ggaacattgg agatcacact attttccctg catatcttcc    240

tcaaaaatgc gtatatttaa tcaacagctt ttttcttgtg gaatcttgaa tccctctctt    300

ggcctcacaa ctgtgtttcc aagaatgtga accaccccag catccctgca ggtgtttaag    360

aactcaactt catcaacctc agtgtgggtg ctaacatgac cagaggattg aattg          415


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tcaacagaag cctttttcct tccacttttc tctttggaat tggatcttct gcttaccacg    180

cagaaggagc agcaagtgta gatgggagag gaccaagcat atgggacacc tacactagac    240

agcatactga aaagatttgg gatcatagca ccggtgacat gggagctgat ttttatcatc    300

gatacaaggg tgacataaaa atagcgaaag aaattgggct ggactctttc agattctcta    360

tctcatggac aagaatattc ccaaagggca agggagcagt taaccctctt gggttaaatt    420
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<211>   459
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<223>   Clone ID: jC-gmfl02220086f11d1

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ttatttattt gataaaatga tctcttgatt acatccaaca caagtgatat acgatgaaat   180

ctagggaaat aaacaagaaa aacactagac atgtcaaagg aacactaaat tcagatcact   240

tgagaaggaa cttttgcaac caaaaagcag agaacttggg gtatcttttc aagttgttct   300

tgtaatccac atatatgagc ccgaatcgaa ctgtgtaacc agcatcccat tcaaaactgt   360

ccgaaaatga ccatgcataa tagcccttca aattaacacc ttccttgatc gcttgaagaa   420

ggaatttaag atggccatca tggtatctaa tccttatac   459

<210>   7675
<211>   488
<212>   DNA
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<223>   Clone ID: jC-gmfl02220086f12a1

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cgccgcttct gcaacttcat tcgatatctc ttccgcttct gcgtctaaag ctacgaccga   180

ctttgtgtcg ttgacccgcc actatggaag gtgctattgg gagctctcca aagctcgtct   240

cagcatgctt gtggttgcaa catctgggac tgggtttgtc ttggggagtg gtagtgctgt   300

tgatctttcg gcactttctt gcacttgctt gggtaccatg atggttgctg catctgctaa   360

ctctttgaat caggtgtttg agatcaataa tgatgctaaa atgaagagaa caagtcgcag   420

gccactaccc tcaggacgca tcacaatacc tcatgcagtt ggctgggcat cctctgttgg   480

attagctg   488

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<210>      7676
<211>      457
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220086f12d1

<400>      7676

aatcgaaata aattatctaa tttttattaa aaatattatc cggagacctc caaagataaa    60

tgcaaagaat aacaaattgt cacacggact atgaccctca acatgacaaa cgctaacact   120

caattaataa tgtgagcatt gatagatatt tggtttaatt tcaagctttc atgaagttaa   180

gtgcatgagg aacatggaga gccttcaacc agtcagttcc accgttggaa ccagcctgga   240

ggaattgggc aggggtgaac tgagcagctt cttgctggct aatgagaccg cggtaaccct   300

tccacttgat ccttccgtta acgttggcac caggtccatc gttgttgtat tcagcatagt   360

acagggtgtc ttcgaagtgt tcaccggccc atgggcacca tccttccggg tgaaggaagt   420

cacccacggt ggattccatc acaattgtcc ttgagaa                           457


<210>      7677
<211>      457
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220086g01a1

<400>      7677

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ggggagcttg acctaacggg tctggaaggc gagatcaagc agtacgttgg cctctggaac   180

ggtaagcgaa tctccgccaa tcttccttac aaggttcagt ttctcaccga catccccggt   240

cgtggtcctg tcaagttctt tgcccacctc aaggaagatg aattcgacta tctttagtca   300

ctgtactgca ctgcactgcc ctgcacgtca ctttgtgtat gatgatttga agaaggtgta   360

gcctgaatcc tttctaatat ttnttagtag gtgtccctgt acttgttggg taaagcaatg   420
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gtatcctttc gcaaatctgt cttttttgacc tactatg   457

<210>   7678
<211>   410
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086g01d1

<400>   7678

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tattcgtcgg cttcttattg cgcttgatct atctgtgacg agcattatgg actctagagc   120

agtgcttttg ctggctatga gcgtccttcc cgtcatggtc tgcggccatt acgcccacca   180

taagaaacct ttttgcgcga agggtatgtt tactgagaac cttgccgtgc aggttttgag   240

acctcagcaa ccacctacat tgccggtgct gagattatga tgcaatgcac gagcagggtt   300

accaaccagg ttgtgttcac cacgaagggg tacactggct caactggagc atacacaatg   360

tccgtggacc aggatcacgc acatcaaaca tgcagtgcca agcatgaaag   410

<210>   7679
<211>   451
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086g02d1

<400>   7679

agtaatacat gaagctgtcg acttcaattt ttttcttggt tcaacagatt catgttttag   60

cattacaaac agtgggctat ttgattgcat accaagtctg ttctttact taatcataca   120

caggtattaa atgttcatgc aaatgctaca aagcaccttt aaggggatgg ataccacaac   180

cattttttatt caccaacaaa gggacgtgca ctctcaacac gctcccttta cttccccaag   240

aagatgagga atcacttttc aagcttacgc ttcacggaaa atctgccaaa accacacagt   300

tggcacacca aaacctacta cctattttgc acattcattc cttgggcgat tcttgcttat   360

gctgctgaac cagcttggtc acatatgtcc aacagatcca gagtctctgg aactgacagc   420

tcaggacgaa gctttggacc atcataatga c   451

<210>   7680

3429

<211>   299
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086g03a1

<400>   7680

tcgagtttca cagcgaagtc gtaggagggt tttaaaagat ggagaacatg cctagcttct   60

ggcaattggg cgatgaactt cgtggacact taaaagcatt ggaggatcac aaatggttaa   120

tggttgcgtt gaaattggcg gaacatacga gattgaaggg ggagcgtgtg aacaaccttg   180

atctttgaag ggccccattg aaacaaggtc aagggataaa tttgggttcc aggaatagaa   240

caaatttgag tctcttaact taagcatgtt gaacctggac tctaaattta ctgagaatg   299

<210>   7681
<211>   425
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086g03d1

<400>   7681

gcgccctttt tttttttttt tataagaaaa aaagtcattt gcatataatt aattgtccac   60

cgttttccac atgaataata gagaaaagaa aagtacaaac acaaatattt tgaagaaaaa   120

aaaataaaag gaaaatatcg attgctttta aatgcattag caggtgccac tcaatgatga   180

ccaatcatca ctagggtgca gaagaagcaa cggtggtctt ggtccacgat tgtgtgatta   240

tcagaaaatc agaatcactt gatccgacgg catataggga ttccatcacc aaccgggagc   300

atgcaaatct cgatcctggg gtccacagcg agtgccttgt tgagctcgag cacgaagtcc   360

ctgtagtatc taacgtactt cctgagagga gcatctgggg gtgccaccac agagccgttc   420

catag   425

<210>   7682
<211>   394
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086g04a1

<400>   7682

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atttcccatc ttgtgagaaa ttgttattga tggcgcgctg aaacttgttg gattgcccat    60

ggaactgtta catggggtgt gagtgtggat ccttatgtca tgatcatcat tgctcggtga   120

tgtgctcatg atgcctatat catcctggtc cactgcatga aagatcagac tagggtctaa   180

tgcatcagat ggattaacat gaccgctgcc ataatgaaac ggagtagctt tcaccaacct   240

cctagctgtg tattaaccaa cttcttccgg taatagatgg taccatggta tttgtatagc   300

tctggaattg atcgttcgag ctgctttgac tattttgagg atccagtgta gaatttgggt   360

tgccaataca tctattcgtc tattatatgt atat                                394
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<210>      7683
<211>      515
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220086g04d1

<400>      7683
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aactagccaa tagctttggt aggatttacg ctgtgccatt gataccttat gttatacaaa    60

ttatttcatg tattacacat gctgtaagca acgaactttt ggggaatggg gcagatacag   120

gttaaaactt gtgatgaagc attccaacaa aattactaga caatataagc aaaactatat   180

gtggaagaaa ctaggagtga cccccttacac ctgcttacct ttacacctat tcataattta   240

acattacata tttatatatt tagacgaata aatgtagcgc cataccttat tccccacagg   300

ttacaaagaa tattacaagc agcacttgct ttcctttcct ttgctgacca aacttcacta   360

tgctatctat cgtcggtatc cgttggccag aacaggaatc ctcaccttgt gccctctgct   420

ccctttcatc aaaacctctc caaaactata ccttcctgtc accgagcgca ctggtagtga   480

caccaaaaac tggcgcgatg cgcctgcttt gatag                              515
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<210>      7684
<211>      295
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220086g05a1

<400>      7684
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atttccacca aacccgtttg cgttgttgtt tgcgaataaa tggcaactaa gaggagcgtg    60
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ggaacgttga aggagggaga ttcgaagggg aagatggtat tcgatgacgg tcagatctga 120

acgtgccttt ggatgacaac cttagcatca ccgatgacac tagagtccgt gctgctgcta 180

ccaccatcaa gtacttgact ggatatagtg ctaaagtgat cctttctagc catttgggac 240

gtacaatagg tgtaacagct aaatacagtt tgaagccttt tgtgccaagg ctgtc 295

<210>   7685
<211>   479
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220086g05d1

<400>   7685

aaccaacaaa gtaaactcat ttggaaatga acattgttca agaacaatta gatcaaagct   60

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ctctacagga gcaagagctc gcagctctca ttgtacctta atccactgtt ggctgaaacc 180

caaccataat aataatataa agcacaaact tcaaaggaac gaatgatttt tgctcaagca 240

tcatcaagag caaggacacc agggagttgc tttccctcaa gaagctctaa gctggcacca 300

ccaccagtgg agatgtggct catcttgtct gcaagtccaa ccttctccac agcggcaacg 360

gagtcacctc ctccaatgat ggttgtcact cccttcccac tcagctctgc cagtttcttg 420

gctatagcct ctgttcctgt ggcaaactta tcaaactcaa aacacccat tggtccatt 479

<210>   7686
<211>   367
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220086g06a1

<400>   7686

gattaacctt gcaacttgga tctaccacct ctctctccca aactctcttt gtagtgctgc   60

ttcagcgtct ggtagcaaag atggcgacat tgactgcttc aagtaactta gtctctaaaa 120

attctcatgt ccaccatgga ccaacaactg cttcatatga gtctaaagca gttgcactgg 180

gacttacatc tctgaatcag acagatactc atgatggact aagaattgtg aacccggcgg 240

atgatctact taacagaacc tcagttaaaa ccaatgcagt gcaagctatg aggaatggac 300

3432

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ctgaacgcaa gaatgccatg cctcaaggca tgatcacatg tggcatgact atcataatta   360

taggaac                                                              367


<210>      7687
<211>      442
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220086g06d1

<400>      7687

gatataaccc atgttaatag tcttagattc gagacatgaa caggatcaaa ataaaattat    60

ataaaaaaaa aaacccacct tttggagcca aatatagcct gggaacctgt gtcatatcta   120

gactattaag aaacgcttta atttatgcta atcttgaaag acctgcactc attacactga   180

ttcgaatagt gtaatttccg tgtccatgta catttctata atctatttag aagaaaacaa   240

aaatttggaa gaaggatata aaacataata ttaataacaa gcaaggggct gggagaactt   300

cacgagactc agactaggag aggcttccct cacatctttg ttcttattat tatggggttg   360

ccacattttc ctttgcctgt ggagcaattt cttctccatc acttccaggt tcactgccag   420

gaactcccaa gcttagcagc ac                                            442


<210>      7688
<211>      417
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220086g07a1

<400>      7688

ggagaaaata tgattatgca aataacaact ccatagtatg aatcacaata ttcaaagcca    60

cctacaagag cctactgtat ggccgggaga tgattgtcct ccagctaaat tcaacgattt   120

gaaacacata ctttgccaag tcctacccaa agtaaaagtt tgtcacaaca cttattaaaa   180

gaagaatctt gcagctttac tcttcaagct tttgatgttc ggtaatttcc cgcaatatta   240

aaaagctaac caggtcattg atggaatgtt atgaacacag aaccaacacc tagaacagag   300

caacataagg aagaagaaga agccgggggcc aaaaggagaa tcattagacc aaggtccctg   360

gatgactatt cacccaaatt acagccgcca cgtcagcaag gattttagaa aattgcc      417
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<210>   7689
<211>   314
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220086g07d1

<400>   7689

aaaccaaatt ggaattcatt ttactgggag gggggaattg gaacataaag ggggagaaca   60

accaaacttt taagcaaaag gccaagtggt tttaattttt ctaggcaaaa attttttgggg   120

ccccaacgtt tggttcccgg gatttccaat aaccggggtt ccgataacta aactcaaaag   180

ccacgtggtt aaaacattag aaaaaaattt ggttttgaaa aaaaaagcct taaacactgg   240

aattggtttt ttccaaactg gggggaactt ctcgcccaaa aataaaaagc aggggctgac   300

aatgtttta aaga   314

<210>   7690
<211>   484
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220086g08a1

<400>   7690

ggacaccaag cagtggcact tcgcgtgcaa ggtgatcgtt cagtgttctt tgattgtgct   60

atgcgcggtt accaagacac attgtatgcc cacgcccatc gtcagttcta ccgcaattgc   120

gaaatctctg gaacaattga tttcattttc ggatactcca ccaccttgat ccaaaactcg   180

aagatcttgg tgaggaagcc catggcaaat cagcagaaca tagtggtggc agatggcaca   240

gggcaaaaga acatgcccac aggaatagtc ctccataact gcgagatcat gccggaccct   300

accctcttgg cagaccgctt gagcgtgaag acttacttgg ccaggccatg gaaggcattc   360

tcaagggcag tgttcatcga gaatgttatc ggggacttga ttcagccaga tggttatatt   420

ccatggaacc caattgaacc aaacacacag gattgctact tcgctgagtt tggcaacact   480

ggac   484

<210>   7691
<211>   440
<212>   DNA

3434

<210>   7691

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086g08d1

<400>   7691

gcagccaata ataaagacag tgccacttat tttcatttat aatagaggca aatataaggt   60

atacatagat gagccagcta gctaataaga cataggcaac tgaacacaac acatgatatc   120

cccacaaagg ataaatcata agacgtacaa aagcacaaag gtaaggacta ttattaattc   180

atggcccta aaaaatacta aaaacaccaa gggggcatgc aaatgataca tatgtaatta   240

ttattaatta agcaagaatc tccttcaaag gcttggcctc aagttttgcc ttctgatcaa   300

gttcttgcaa atgcttttca ttctcaaggt cctgcaaatg cttttcctta gccagcttct   360

tcatccttgc aatctcaatg tccttgctca tcttcctcct gtacatttca gcaaaagtga   420

ttggttcctc catcacaggc   440

<210>   7692
<211>   500
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086g09d1

<400>   7692

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tgtatatatg attttttttc tctataaatt aacaaaatca gattagtggg ttaccccttg   120

ttcttttgac aaatttgaac ttggctgatt cttggcgcat tatattatag aatttgggtc   180

aatatatgcc cagagcatct ctgaattcgc ttccctttgc ttctacttca ctatactact   240

actctaacca ccaccatctt accagttaca cggcttaagt tccatagttt gtcatcttga   300

accctggttg gatgagtacc atagcttttt ctggcatatt aatatcttct gcatgtcact   360

gccattgtca gtatcttctt tacgacattc ccaacgcata cccttaccaa tggtagtgat   420

agcatctgta aaataactgg attcacgaat gattgcatac ccccaaggcc gtaagaatcg   480

atccatttcc agcaatacat   500

<210>   7693
<211>   355
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086g10d1

<400>   7693

ggtggggggt gttttttttt tttttttttt tttttttttt tttttttttt tttttttttc   60

tttttggggg aaaaaggg99 gaaccatagg gggggggggg gaccccccaaa aaattccccc   120

ttttggggg9 ggacgggaaa taaatttccc cccccacccc aaaaataaaa accctcaaaa   180

ggcccaaagg caccctttt ttttgggccc ccccggggg ggaaaaaagg gggggggacc   240

cccccccctt tgtgttggcc gggcccccg ggggaaaac aggggtctcc aaggggcccc   300

ctccggggga aaggggggga aaaaaaacc cccaaaaggg gaaacggggc caccc   355

<210>   7694
<211>   358
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086g11d1

<400>   7694

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gcctttttcaa caattcccct ttctgggtaa aagacgacac accccagagg ccaaaacata   120

acaaagaagc aagcaaataa ctaaaatatc tcagtcctga aacaagaatt aacaaaaaca   180

actacaaagg aacgacaatt agcatgggag tcttggttgt tcttcaagcg agtgtaggat   240

tctctgcagg agaagtcctc cacacgatat ctttaagagc tggacgaagc tccttgctac   300

agaactggtt atactccaag gtggtcaccg ttgtccttct taacctccac caccaaaa   358

<210>   7695
<211>   492
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086g12a1

<400>   7695

cttctgagct ttgattagtg tggcctagtt gttgttttct cgatgagaaa ggcttcttcc   60

actatgcatt gcgcacttct gcgctttttgg gttcccttgt tgctgcttgc tagcttcagc   120

3436

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tatgctcctt ctgtttcggc cacaactgaa atttcaggga atgaagtgaa cacagatggg    180

aaggtgataa atgaagagtt agcaaaacca agtctaaaag gacatgatga agaagcaaag    240

ttcaaaggat tttttccaaa accaattcct atagttaaac caattccaaa gccaattcct    300

attattaaac ctattccaat tccagtttat aagcctattc caaaaccaat tcctattgtt    360

aagcctattc caaagtcaat tccagttgct aagccaattc taatgaaga agaaaaattc    420

aaaggattta ttccaaagcc aattcctata attaagccta ttccaaagat aattcctatt    480

gttaaaccta tt                                                        492
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<210>   7696
<211>   458
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086g12d1

<400>   7696

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gggaaataag aacttttgca gctaaattta tttaagattt aagatatctt atacattgaa     60

actgtcatgt gaaggtacca tccttacagc aggcagatct tgttaataca cactttgaa     120

cccatgtcag ccagactaac atctctcttt cgggctgcaa aatcgcatta tttgtgcagt    180

ttcatttgca aggatagctt tctagccaaa gtttattccc tgagctaatg gtagttcact    240

tccataattg atggtacatg tagaacgccg catgtattgc ttccacgagt cacttcccgc    300

ctcacggcca ccaccggtcg ccttttctcc accaaaggca ccaccaatct cagctccatt    360

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<210>   7697
<211>   554
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220086h01a1

<400>   7697

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tttcaactct ctctctcccc ccctctttct ctcacacaca aatgtctaaa ataacaataa     60

cctctccaaa acactgtgct gacaagaag gactaaaaat caagaactac aagaagatct    120
```

```
acttcacttt ctcagcattt ttcatcacaa tcctactact aatacttgtt atatggctca    180

tcctccaccc tgcaaagcct caattctccc tcaaagaagt cgacatcttc caacttaacc    240

tttcaggccc aaacctcaac tcctccatcc aactcaccct cctctccaaa aacccaaacc    300

agaaagttgg catttactac gacgagattc aactctatgc aacctacaag ggccaacaaa    360

ttactggtga tacccctgtg ccaccctttt atcaaggcca agaagagagt aatctcataa    420

cagcttcttt ggtgggaaat gctttacccg tggctccgtc tcttggctat gaacttggtc    480

gtgatcaaat tgttggaaga ctagtnctga atctcanagc caatggaaaa gctcgttgga    540

aagtgggaac atgg                                                      554
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```
<210>      7698
<211>      392
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220086h01d1

<400>      7698

gggccccggn nngaagtgta tgcacgttag aagagcaccg acgnnggaat gcacgtcgta     60

cgcgagcctc agaattgggt tcgagctcca tatcatatca actggagctg gggaacctcg    120

tctctactcg ctctcgtccc cgccggagat ccaccatggc cggcaacttc gccaccggca    180

ccgtcacctt ctaaggattg agtcccgaga atttgaaatt aattgctccc cgaaacccct    240

cccgagatat acttacttcg gatcaggtca accactgtac ccaagccctg aacctgttga    300

aggagaagct tcacgatcct cacgtgatca ctgaggagtt cccacacttg ccggcgaaca    360

ggataactcc gagtgagatg gagaagaaga at                                  392
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<210>      7699
<211>      425
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220086h02a1

<400>      7699

ggctgtggaa ccagcaacag ccataaacca tttgttcttt gtcaagcaca acctctccct     60
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tgacatcact cctcagtcca tccaaaccca gatgatatgg ttcaacaggt acctggagag    120

ccaggactgc caagagtcaa agtgcaatga ttttgatgac actctatttt ggtttgggga    180

gattggagtc aatgactatg cctacactct tggatctacc gtctcagatg aaaccataag    240

gaagcttgca atcagcagtg tctcaggagc tttacagaca ttgcttgaga agggtgccaa    300

gtacctagta gtgcagggtt tgcctctaac tgggtgcttg acattgtcca tgtacctggc    360

tccaccagat gatagggatg acattggatg tgtgaaaagt gtcaacaacc aaagctacta    420

ccaca                                                                425
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<210>       7700
<211>       376
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220086h02d1

<400>       7700

aagaaaaacc gggtttaaaa aaatccactt cccccaaaaa atcccccctt ttgaaaccca     60

aaacccgtgg ggggggggcc ctaatggccc aagaaaaatt ttttctccca aatacccatg    120

gaaagagccg ggttgggttt ttaatcttaa aaaacaaacc gggggtggct ggaacacatg    180

atttttgctc cccctgggac tagaaaaaaa gcccaacccc cccccaaaa ggaataaaat    240

ggggtttgaa tgaaatcgac cgggcaattt taaaacactg ggggcgttgc aaccctggga    300

gggtaaagcg gggtttacaa tggggaaaaa cccaattttt gggcgaaccc ccaaatcttt    360

aaaaaaaaaa catcgg                                                    376
```

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<210>       7701
<211>       474
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220086h03a1

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gactccgaga aggagagtga atacggttac gttcgcaagg tatcaggacc agtcgtcgtt    180
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gcagatggca tggctggggc tgctatgtat gaactcgtgc gtgttggtca tgataatctc   240

attggtgaaa ttattcgtct cgaagggaat tctgctacca tccaagttta tgaggaaact   300

gctggcttga tggttaatga tccggtgtta cggactcaca agcctttatc cgtggagttg   360

ggacctggaa tactggggaa tattttcgat ggaattcaga ggcctttgaa aactattgct   420

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<210>   7702
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<223>   Clone ID: jC-gmfl02220086h04a1

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ggaacgtgaa gggaaggagt tccttataaa tctcattgac tcaccagggc atgtggactt   180

ctcatctgag gtcacaaccg cacttcgcat caccgatgga gcacttgtgg tggtggattg   240

tgttgagggt gtctgtgtcc agaccgaaac tgtgctgaga caagcccttg agaaagggt   300

taagcctgtt ttggctctta acaagatgga taagtgcttt cttgagctca atcttgatcc   360

agaggaggca tacctaacac tccaaagggt tgttgagagt gtgaatgtaa tcatgggtaa   420

ctatgaagat gctctacttg agatgttaa ggtgtaccct gagaagggaa cggttgcctt   480

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<210>   7703
<211>   362
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086h04d1

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accccacaa agggaaaaat gggtaaataa cccctttttt tttccgaagg ggacaacccc   180

3440

cccccaaagg ggggggtcccc gggccccgggg ggaaaaaccg ccccaaatcc cagggaaaaa   240.

acccccctgg gggaaacccc cccccccaa atggggcccc caggggtccc ccggaattga   300

aggcccccac ccccggttaa tatccccccca cacaaaaaaa ggggggggccc gccccttaa   360

tt   362

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<212>   DNA
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<223>   Clone ID: jC-gmf102220086h05a1

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gctattgaag gtgccacaga cacacacgaa atcaagcgtc agctcaataa ttcagcttca   180

gatacctgat aatttgtaga ttcgatttcc atagcttcca gattccggac tggagtggaa   240

agtacgtgac tgtcatagag ccatccagtt ggcgaatatg acctgatgaa gaagattcta   300

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ggcatgaatg agtatgcatc   380

<210>   7705
<211>   325
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220086h05d1

<400>   7705

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tagggggggcg ctaaaatttt tgccaagggg ggaggggtgg aaaaaggagg gggcataccc   120

cccctgtata ccttggccag ggggcacatt ccttctttt ttttgggggg ggctaaccgg   180

ggggggaagg tttttttaccc ccatttctac caccaaatcc cgggccgggg gaaaaaaggg   240

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agggtcctat gccagaagag aaatt   325

<210> 7706
<211> 313
<212> DNA
<213> Glycine max

<223>   Clone ID: jC-gmfl02220086h06a1

<400>   7706

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tatatttatc agcaatttgg taccgtccgg atttgatctg tcttgccttc tcttgcagtc   180

tgaagatagt gtgattggtt gcctagtgaa gataaagatc tgtatattga gattggctgg   240

gcggagttag ttcatagaat gctagcacca atcccttctc attgggtctc tgtaacagtg   300

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<210> 7707
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<212> DNA
<213> Glycine max

<223>   Clone ID: jC-gmfl02220086h06d1

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cacaaaatat aaatcttttt caagtatgcc caagtcaatc atcagataga aaataaacag   120

actaaattaa aacgaaaact caaaaactta aaagccaact atatttcagt atttcccacc   180

ttgcttctac ccctgttgaa agtaacaaag taagctgctc tgcaacaaag tagatctgaa   240

tttacaagac aggaaacgac caaacaagta aaataaaaag agagaaaaaa aaaggcttag   300

agaaggataa acccgaacaa aaaccaaaag atataagcat cttaggcaga aaaccctaaa   360

aaaccccaaa accctagagg agtaaaccct gttaggagct aaccactgta aacaaaaccc   420

aatgagaagg gattggtgct agcattctat gaactaactc cgcccagcca atctcaatat   480

acagatcttt atcttcacta ggcaaccaat cacacta   517

<210> 7708
<211> 466
<212> DNA

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086h07a1

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gaagaccgag cttcattact cagttttaac taacttacac tgatacaagg gattggcatt   180

gccgattcct aaggattttg ggccaccatc ctcttcaaat ccttattttc tttgctgaga   240

acgtcgacgc gagactggag aatggtaatc attgcttgtg tgctcatcat ctcaaacctg   300

atcgtgtcct tttcaactga aagcttctgc atctcactct tcattacctt gatgaacttt   360

gcgcagcttg gaggcatgga tgactcaaga ttttccacgt caaaatccgg tgtcttaatt   420

gaagcaaggc tgtcctttga ttcaggggac tctagcagtg aaaact   466

<210>   7709
<211>   486
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086h07d1

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gaaacaccga actctacaaa catgactata tgagatgtta cagcaattta ggtggggtgg   120

attgatcccg gctgaaagtg ttctctttta aactcttgct caaccaaata gcagctgccc   180

tcggggaagc tatccctggc ccaaacggat ttaataaaac tgcaaggtgt ccataccttt   240

cctgctgtag taatcttgca ctaaattcaa gcgaaccttc taagggctca gtcctttgtc   300

ggaatgatga tgtatcaaac tgtccgtggc gcaagtctga aaagttgagg cttgatgctc   360

cagcagttgc attttgatca gatgagccac ttttattctc atcgttatga ttggacatgc   420

tgttcgtgat tgcctgccaa gcatccgtac atactgggct aacataagat gtgtcacata   480

ccttga   486

<210>   7710
<211>   478
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086h08a1

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acaaaacata aggaagttgg ttaaggatgg gtttattatc aggaagccga ctaagattca   180

ctctcgctcc cgtgctcgtc gaatgaagga ggccaagaga aaggggcgtc actctggtta   240

tggtaagcgt aagggtacaa gggaggcaag gcttcccacc aaaatccttt ggatgaggag   300

gatgcgtgtc ctcaggcgct tgcttcgcaa gtacagggaa tcaaagaaga ttgacaagca   360

catgtaccat gacatgtaca tgaaggtgaa aggtaatgtt ttcaagaaca agagagtctt   420

gatggagagc atacacaagt ccaaggctga gaaggcaaga gaaaagacat tgtctgac   478

<210>   7711
<211>   348
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086h08d1

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aaaaaaaaaa ccctgggggg gggggggggg aaaaaaaccc aaaaagggggg gggggggggc   120

ctattttaaa aagggggggga cccccggggg ggaaaaaaaa aattgggggg tctcccccccc   180

ccgcgccaaa ttgttttccc ccaaaaaacc cccctggggg ggtttggggg ggaaaaaaaaa   240

aaaaccccccc ccccgggggg gccccaaacc ccggggggggg ggggggcccc gggggggggg   300

gggcccccctg ggggggggg aattggggggg ttttgggggcc caggggcc   348

<210>   7712
<211>   491
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086h09a1

<400>   7712

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atcgataatg acaaaggagg aggttcagcc agttatttgt ccaggtggaa agcagctgga     120

atggactgcc tccactttat tactgagagc tgttctgtgc aaaatattac ggagaactca     180

gttagaatat tggtggtttt tcttggtgtt accaagggcg aggatggttc tctctccaac     240

caagacaagt caaaggtttt atttacaaca gaaatggcat atacaattta tgcttctggg     300

gatgtcatta tagaatgcaa tgtgaaacca aaccctgatc ttcctccttt gccacgtgtg     360

ggaatcgagt taaatgtgga aaagtctttg gatcaagtaa cttggtatgg aagaggacca     420

tttgagtgtt atccagatag aaaagctgca gccctggttg cagtctatga acataatgtt     480

agtgagttgc a                                                          491


<210>        7713
<211>        490
<212>        DNA
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<223>        Clone ID: jC-gmfl02220086h09d1

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aaggatagaa atacataatt tgcactgaaa aaagggagca aacgtacata tcattagaca     120

gaacagtgaa acacaaggac tgcagttaaa tataaaaact tccactttgt atttcacgtt     180

tcaatggaag tatttccaat atcatcgtcc caaatcacca tccatatttt gcttgtgttt     240

cagctttggt aagcatgccc tttgcacgcc gctcagtgag tttcatttcg ttttgtttca     300

tatcaaagta caatgaacca atttgatgct tcctcttgtg cagctttgta ggcttcccct     360

ttgtcgaagc aggctgataa gtgggtccga atgcaatccc agttagcttg cctgatcct      420

ctcttggccg gttttttaatc aactcttttt gcttcacctc aatcacttca gttggaatct     480

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<211>        491
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220086h10a1
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<400> 7714

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acaacagagg cagagagaat cagagaaagg agtattaaat agttgattat ttcacagata   180

atgaacaata aagatggaaa accagtcacc cagccagaca aaagcaggat tgtctctatg   240

gcaatcatat ttgtggtgct gtgtggattt tctttctata tgggtataat cttttgttcc   300

gagaaggaca gatttgtgac aatgtacaac cagaactcca ttgaatcccc caaggagtca   360

tcaataagtt ctctgcaaat taaatacacc agttttcctg aatgcagcgc tgactatcaa   420

gattacactc catgcacaga tccaaggaga tggaggaagt atggctcgta tcggcttaag   480

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<210>   7715
<211>   471
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086h10d1

<400>   7715

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aaattgtctg cttggttcct tgggtaatgg aacaaatttg tacaataaga ttattcacct   120

tccacattat taaatcaagc ttccaaccaa aatgattgca tgggatcttt acaccaatag   180

cttccaagtt tctttgtagt ccttagtaag cacaccagtc tttggtcttc ggtcttcggt   240

cttctacaag atgtttattc ttgaatagaa caagtcatgt gatccaagaa atcaagagtt   300

ttgaaactgg gatttgtaga tgtcatgacc agaagtggct ggatttactg ggcacagcct   360

aacagagaat gagtatggca caggaggaat caaatactgt tcgtggacac atggcgacca   420

actatcatct ccacccaatc ccatgtgctt gtgatctaga tgaatctcaa t      .     471
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<210>   7716
<211>   492
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086h11a1

3446

<400> 7716

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gtcctctgac accatcgaca acgtgaaggc caaaatccaa gacaaggagg gcattcctcc   180

ggatcaacag cgtttaatct tcgccggaaa acagctcgaa gacggcagaa ccctcgccga   240

ctacaacatc caaaaggagt ccacgctcca cctcgtcctc cgcctccgcg gcggcatgca   300

aatcttcgtc aaaacccttа ctggcaaaac aatcacgcta gaggtggagt cctccgacac   360

aatcgataac gtgaaagcca agattcaaga taaggaaggg attcctccgg atcaacaacg   420

tttgatcttc gccggaaaac aactcgaaga cggcagaacc ctcgccgatt acaatatcca   480

gaaagaatcg ac   492

<210>   7717
<211>   439
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086h11d1

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acaaaatagg aggaagagga gagaaacaca cagagtaaga gacgtggaaa gttatggata   180

ttagacatat tataagggca acgctcaaaa aacttccagc atagagcagt ggaatgaatt   240

acttaggcct tctcccactt gaggggtttg accacttccc atgtgaagtc agggtcttct   300

cttccaaagt gtccataggc agcagtcttc aaaaacctgt tatttccacc cctcttgaga   360

tcaaggttga tggagatcat accaggcctg aaatcaaagt ttttcttcac aatgttgaga   420

atctccttat catggatct   439

<210>   7718
<211>   294
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086h12a1

3447

<400> 7718

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accacatgat ggacgcggct cggaagagag cgcaacgacg cgccgcttac ctagccaaga   180

ggcgcggcga tcctcaacaa tctattcagc tcgtctggct ttcgaagccg aacctatcgc   240

gacgacgctc tctaccaagc cacgcacgat cagcagggcc tgataccttg gaat   294

<210>   7719
<211>   440
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220086h12d1

<400>   7719

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ggtagattgc atatcgcaac ttcaacacaa ctcaaccaag accgatttcc ctcgaactat   120

ttggcagaaa tgaaagccat atattaatat ccatttcata ttataaataa atgccacaca   180

aacttcgtca gccttctact cgtatatagc attccatcag tgctttgatc gatttcttat   240

cctgggagat cgagaataag gagacggaga acgtgtgcga gaaggggacc gtgaatgaga   300

actagaataa tatcttctgg aacttctgct tctacttgga cttctactgc gccggtatct   360

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actagtttct gcaagctttt   440

<210>   7720
<211>   462
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220088a01a1

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atggttccaa ccaagcccat ggtggttgaa actttctctg agtatcctcc ccttggtcgt   180

3448

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tttgctgtga gggacatgcg tcagaccgta gctgttggag tcatcaagag tgttgagaag   240

aaagacccca ccggagccaa ggtcacaaag gctgccgcca agaagaattg attgcatttt   300

ggcaattttg ctagcacatg tgatcatcaa cgtggtttca aaaaaacttg ttcctttaca   360

gtagtttatc tatgcagagt cttaggtgtt tgttttacca gttatatttt gaagtgtccg   420

ccgatttcat gtagccgtag ccttcaaaac tgggttcttg at                      462
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<210>      7721
<211>      555
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220083a02a1

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ggcagtaaac taggttgttg gagttgttct gtctgaaacc gaaccacatt ccaaagatag   180

ccgttgtcat tgtcagaagg agaaggcatt gcgtttaga aagcgatacc gtgagagaca    240

acaatgcatc gcgctagggt ttgattatat tacgcagatc gaaactcccc ccaacggtgt   300

gttgaagcgc attttgcaat ttcaataaat aaataaatgg gagaaaaatc gaggtccaaa   360

ggagggtgct gcggttggtt catcgcgttc gtcattctgg ctctcgtcgt cggtgccatt   420

gtttttaccg ttaagaagaa atttagtcac tccggttccg ataagcctgc tcctggttcc   480

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ttcgatgttc agaaa                                                     555
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<211>      573
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220088a03a1

<400>      7722

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caacaacaac aacaacaaca aaaattacaa tgctcacaat aacaggtaca atacttacaa 180

caacaatgct gttagcaggt acaatggtga gaggcaagga atgagtgaca caaggttttt 240

ggagggtgga aagtactttt atgacgttgg cgcggagaag tacaatccaa caaactatgg 300

tgactcgtct agggaagtga acactaacaa ttggtacaac aacagaggtg tcaactacaa 360

tggataccag aaccaggagg agtttgaaga tgagcataag aactttgagc catgagcttg 420

gatcactggc aaagtgaaga attcaccata cttaattttg agtatccact atgggtgttt 480

aatgttttta aagagcttta gattcaagaa aacacaaagt taaaggatat gttaactatg 540

aaaggctttt attntaattt ttacttagta gta 573

<210>   7723
<211>   524
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220083a04a1

<400>   7723

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tcagggtttg gacatcacca aattgttggg cgaatatccc gaatatgcac agttcaacaa 180

atacctaact gaaaccaagc tggcggacca aatcaacagc cgtaacgccg ttacagtcct 240

tgcccttgac gacgccgcaa tggcttccct ctccggcaag tcgcaagacg ccgttaaggc 300

catccttagc acccatgtgc tcgtcaactt ctacgacgag aagaagctga tggaagccga 360

aggtagtcgc accaaggtcg aaaccctatt ccaatcctcc ggtgtcgcca gcccaacca 420

gggttacatc tacgtggcgc tcatcaacga gggggagatt gcgttcggtt ccgccgacga 480

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<210>   7724
<211>   576
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220088a05a1

<400> 7724

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taccaagatg cattcatccc atatttgacg aggataaaca gcctacctac tgcaaaagct  180

tatgccacaa ggacaatcct gttcttgaaa gatgatggta ctttgaagcc acttgctatt  240

gaattaagca aaccacatcc agatggagat aatttgggtc ctgagagtat agtggtgttg  300

cctgcaactg aaggtgttga tagtacaatt tggctattgg ccaaggctca tgttattgtg  360

aatgactctg gttatcatca gctcgtgagc cattggttaa atactcatgc agtgatggaa  420

ccatttgcca tagcaaccaa taggcatctc agtgtgctcc accctattta taaacttctt  480

tatcctcact accgcgacac cataaatatc aatggacttg ctaggcagtt cctgattaat  540

gcagatggca ttatagagaa atcttttttgc ccgaaa                           576
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<210>   7725
<211>   508
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220088a07a1

<400>   7725

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gaaactaata ttttgcatga ggttgaggag gaacccagag ccaagatggc acttgacact  120

tgcaagcaac tcatggatct ttctattggg gaattaacaa ggtcacttga tggaataaat  180

gagtttaacc tcataaatgt tgacaaaatc ctcatgaatt taaaagtttg gcttagtggt  240

gcggttacat accaagatac ttgcttggat gggtttgaga acaccactag tgatgctggc  300

aaaaagatga aggatttgtt gacgataggc atgcatatga gcagcaatgc ccttgccatt  360

gtaacagatt tggctgacac tgttaacgat tggaatatca caaatcatt tgggcgtcgc  420

ctacttcaag attctgagct tccgtcatgg gttgatcaac atagacttct taatgaaaat  480

gcaagtccat taaaacgcaa gcctaatg                                     508
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<210>   7726
<211>   588
<212>   DNA
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3451
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<213>        Glycine max

<223>        unsure at all n locations
<223>        Clone ID: jC-gmfl02220088a08a1

<400>        7726

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cacgtgagtg ccggccatgg ccgcatcggg aagcaccgga agcaccctgg aggacgcggt   120

aatgccggag gcatgcacca ccaccggatc ctctttgaca agtaccaccc tgggttcttc   180

ggcaaggtcg gaatgcgcta ttttcacaag ctccgcaaca aattctactc tccgatcctc   240

aacatcgaca agctctggtc cctggttccg caagaagtga aggacaaggc ctccaaggag   300

aacaaggcgc cgctgatcga cgtcacgcag ttcgggtact ttaaggttct cggaaagggt   360

gttttgccgc agaaccagcc cgttgttgtc aaagctaagc ttatttccaa gatcgctgag   420

aagaagatca aggaggctgg cggtgctgtt gttctcaccg actgattnta tagacggtat   480

cgcttttttca acgatttatg gttttttttt tgatatggtc tgatacgttt cgtttggatg   540

acgttgtgtt agtcaatgct acattaggat taaataaggt ttattttt              588

<210>        7727
<211>        519
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220088a09a1

<400>        7727

gtgaaacaag ctccaaatat tctcacaatt gccttgaaaa gatttcaggt ctgagtaatt   60

tgatctggat gatcttgcca agttgttgag agatgtttta agtaatataa atatcagttc   120

ttatgatttg ttctaatttt gccttcttga aatgtgcctc gagtgtaaat tgtatgggtg   180

ttagtttacc atgactatgc accatactgt acgattacat tatttctttt tcctgctagt   240

acttataaag gattgaatac tacttgaatg ttttttgaat ttgtcaactt ttctcatgat   300

ttttctgggg cattgtgaac atgcagagtg ggaggtttgg aaagcttaac aagagagtaa   360

ctttccctga gactttagat cttagtcctt acatgagtga agttggagat ggatctgata   420

tttataagct atatgctgtc gtagtacata ttgatatgct gaatgcttca ttttttggtc   480

attacatctg ctacatcaaa gatttctgtg gaaactggt              519

3452

<210>    7728
<211>    386
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220088b01a1

<400>    7728

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aggcagggtt tagatcttaa tgcaggacct gtaggttcag atgtggatgg gagagacggg   120

aattctcctc ttccatctag gcaactttct gttgctagtt cacaggccct agctgaggag   180

caagtaaggg tccagctggc tggtagtgtt cgtaagagga aggagcctga tggtgggtgg   240

gatggccaca accaatcctc atggcgatag ccaaatttat tatcctacaa tctaatgacc   300

acaaatgctt tgatttgagg atttggcaat ggtcaacttt cagcgatcat tcaatttttg   360

cttttgggag aattgggtgg taagtg                                        386


<210>    7729
<211>    290
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220088b02a1

<400>    7729

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ctagcctcaa ggttgcattt ttggctgcag tgctctgcat ggttgtggtg agtgcacccca  120

tggcacatgc agctatcacg tgcgggcagg tgacgaatag cctgatcaat tgcatcggtt   180

acctccagaa cggaggaacg ccgtcgtcgg gatgctgcaa cggagtgaag agcctcaatg   240

ccgacgccaa gaccaccgcc gaccgccaga cggggtgcaa ctggcttaag               290


<210>    7730
<211>    545
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<223>    Clone ID: jC-gmfl02220088b03a1

<400>　　　　7730

gttcgatgaa aagtaggtga taagcaaaca aagtctctgg aaaacgcgat tcttcttctg　　60

ttgagagatg aagctcattg cactgagttc tacggttcgg cgcgctctgc tcaatggtcg　120

gaaccaaaac tgtaaccgcc taggttcggc ggcggagacg aggctactct gcgctggcgg　180

cgcgaatgga gggttcttct actggaagag gacgatggct cgccggcgg aagcgaagtt　240

tccggagaag gagaaggccg aggctgagaa gagcgtggtg gagtccagtt attgggggat　300

ttcgaggccg aaggtttcga gagaggacgg gacggagtgg ccttggaact gcttcatgcc　360

ttgggagact tatcgtcaaa cgtgtccata gatcttacta agcatcacgt gccaaagaat　420

tttctggata aagttgctta caggacggtg aagctcctca gaattccaac agatttattt　480

tttaagagac gttatggttg ccgtgcaatg atgctggana ccgttgcagc tgtccctggc　540

atggt　　　　　　　　　　　　　　　　　　　　　　　　545

<210>　　　　7731
<211>　　　　218
<212>　　　　DNA
<213>　　　　Glycine max

<223>　　　　Clone ID: jC-gmfl02220088b04a1

<400>　　　　7731

gctccagtaa aagtatgtga tatgcaatct aaggctctgg aaatcgcgat tcttcatatg　　60

gggagacact aaactcattg cactgacctc tactgttgga cgcgctttgc tcaatggcat　120

ggaaccaata gttcttaccc cctatgtttg gcgattgaga cgaggctact cagcgctgga　180

ggctgcgaat ggaaggttct gctactggat caggacta　　　　　　　218

<210>　　　　7732
<211>　　　　553
<212>　　　　DNA
<213>　　　　Glycine max

<223>　　　　unsure at all n locations
<223>　　　　Clone ID: jC-gmfl02220088b05a1

<400>　　　　7732

gagagagcag ggcaagtccg gcggatccgc cggaggaggg gcgacgccac ctgcgaagag　　60

aggccgtccc ttcggcagcg gtaacaacag ttcctctgcc gctgcttcag ccgcggattc　120

ggcggctccg tcaaccctcc ttggtccttc ccttcacgtt cacaactcct tcgccgatca    180

gaacaacaaa agaattgtct tggctcttca aagtggtctg aagaatgagc taacatgggc    240

tttgaataca cttacgctgc tctcctttaa agaaaggat gacatgcgca aggatgcgac    300

tccccttgcg aaaattcccg gcttgcttga tgcgctccta caaatagatg attggcgtga    360

tatagcactc ccgaaggaat ttgccaagac aacgaggatc aggactttag gtgcaaattc    420

tgatgtaagt ggatttggga gtgaatatca agcgctgggc tcaactggta ctccccaccg    480

acctggtgta agatctggct ctgctggtat agaatcaacg ctacagaatg gcatggcana    540

atctcggttt tct                                                        553


<210>      7733
<211>      520
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220088b06a1

<400>      7733

agattaccaa aaattacgac caaggaaacg cagattctga tgatgaggaa atacaagctc     60

tattgaaaaa gttaaatttt ataccaacat cggttttcac aacggacttg ccttacgtgg    120

attttctgga tcgtgtacat aaggcatagc tgaagcttag atccaagggt ttatgggatg    180

taccttatcc gtggctcaac ctttttgttc caaaatcaag gatagggac ttcgacaagg     240

gtgtgttcaa gggcattctt ggaaataaga caagtggacc tatcctcata taccctatga    300

acaaaaacaa gtgggaccag cgaagctcgg tggtgacacc agaagaggat gtgttttacc    360

tggtggcatt tctaagatcg gcattggata ctgagacgct ggagtacctg actaatcaga    420

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ttcactacgc agcaagagtg gaggaccact atggtgatag                           520


<210>      7734
<211>      100
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220088b07a1

<400>      7734


3455

cgcaaacaga atattgtggc ttatccatca tacctctaga actagaggca gagcaatgac   60

tgggatcata cttagacagg atgccttcgc aggaagtcac   100


&lt;210&gt;      7735
&lt;211&gt;      110
&lt;212&gt;      DNA
&lt;213&gt;      Glycine max

&lt;223&gt;      Clone ID: jC-gmfl02220083b08a1

&lt;400&gt;      7735

cgcaaacaga ctattttggc ttttctacca taccgctaga aagagagaca gagaaattac   60

tgggatcata atgagacacg ataccttagc aagatgtcag tctcaatcag   110


&lt;210&gt;      7736
&lt;211&gt;      109
&lt;212&gt;      DNA
&lt;213&gt;      Glycine max

&lt;223&gt;      Clone ID: jC-gmfl02220088b09a1

&lt;400&gt;      7736

cgcaaacaca atactcaggt gtttctatca aacctcttgg actagagaca tagaaatgac   60

tgggatcata cagatacacg atgccttagc aggatgatag tctctatga   109


&lt;210&gt;      7737
&lt;211&gt;      377
&lt;212&gt;      DNA
&lt;213&gt;      Glycine max

&lt;223&gt;      Clone ID: jC-gmfl02220088c01a1

&lt;400&gt;      7737

attcaacact catatcctta tcctgtttct ttcaatggaa gtcatttctg cttctagctt   60

gaatcccaac gctccgatgt tcgtgccact cgcctatcgg acggtggagg atttctccga   120

ccagtggtgg gacctcgttc actcctcccc ctggttccgc gactactggc tccgcgagtg   180

cttccaagat ccccagttcc aaaacgacga cgctttcgac ttcgactttg acctagatct   240

ccaagatgaa gatgaaaggg aacgaaagga agggaaggag gtggtgtcgt tggggctgct   300

gaaatggcga agctgtggag gaggatgggc ccaggcgccg aggtatgtgg aaaaggcccc   360

3456

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<210>      7738
<211>      458
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220088c02a1

<400>      7738

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tgtttcttgc ggacattgcc accctgaaat tttgaatgct atcacggagc agagtaaact   120

tctgcagcat gctacaacca tatatctaca ccatacaata ggtgactttg ctgaggcatt   180

ggcagcaaaa atgcctggaa accttaaggt tgtttatttt gtaaattctg gttcagaagc   240

aaatgaatta gcaatgatga tggcccgttt atatactggt aatctcggta tgatttcttt   300

gagaaatgca tatcatgggg ggagttctag tacacttggt ctgactgctc tgaactcgtg   360

gaaataccca attccagagg gccatgttca tcatgttatg aatccagatc catatcatgg   420

agcctttggt acagatgctg ctagttatgc aaatgatg                           458


<210>      7739
<211>      467
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220088c03a1

<400>      7739

ttagagaaat tgaggaatca aaattagggt tcaaatctc attgaggaga aagaagaaga    60

aggatgtggc acgaggcgag aaggtcggag aagaaggtcc acgacatgat ggacgcggct   120

cggaagagag cgcaacgacg cagccgatta cctcgccaag agacgcggtg atcctcagca   180

atccattcag ctcgttggct ttcctagccg aacctatcgc gacgacgctc tctaccaagc   240

cttacaggat cagcagggcc tgataccctg gaatgggaaa caggatgtat tgatagaccg   300

attagatggg cgtgctctac ttgatttcgt tcgtgaatct agtaacaggc tcgcttccga   360

agaagtctga acactaagaa tagttatgaa gagttagaca attctgaggc ttatcgggaa   420

ttaataaagc atcgacgtat aggatgtcgt aactgatgac gagggtt                 467
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<210>   7740
<211>   561
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220088c04a1

<400>   7740

cggaaagctt agcttctgca ctacatgaag tatctgcaga agctagagat gccaaagaaa   60

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tagtcttaaa agctactaat gaaaaataca agtccatgct tgatgaggca cgacatgaga   180

ttgatgttct tgtatgtagt attgaaaatt ctaagagtgc ctttgagaac tccaaggctg   240

agtgggagca gagagagctt caactagtga gctgcataaa gaaaaatgaa gaagacaaag   300

tgtcactgga caaagaaata ctaagattgc tgtatttgct taaagaaacc gaggaataat   360

ctgatgccaa cagggaggaa gaagctcaga tgaaggaaaa tctgaaagaa gttgtggctg   420

aagcaataca actggacgac gctattaagg aaacagcagc tgagaacatg aaattgaagg   480

acaacttatt ggataaagaa catgacttgc agtgtatgtt tcatgagaat gatgaactac   540

gaatcaggga agctgaatct a   561

<210>   7741
<211>   449
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220088c06a1

<400>   7741

ccgttaccta aaactcattc tttacctgca actatttgga ttgctgatat gtgttaatac   60

catatttact gatattggcg cattcctttg agaaagttac taattcctag atagaggcaa   120

aaatgttggg aattttcaag gagaagttgg ataaagcacc caaagagctg aacagtccag   180

cttcattgaa ttcatgcact aatcctaagc taagtcacga aatccttcac gatttcatgt   240

cctgcgattc ctccaatgct ttctcaatgt gctttgggaa tgaagctttg ctagcctatt   300

ccccttcgaa caagccctgc attcatcaca ggttgtttac tggtttggat aacatatact   360

gagtattcct gggtggactg cacaacctta gcatgctcaa caagcagtaa gggctatcaa   420

3458

agggaacaaa tgaagccatg tttatcact   449

<210>   7742
<211>   105
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220088c07a1

<400>   7742

ccaaaacaga attctctggc ttatgcacca aaccgtatgc atgtaagcca gaataatgac   60

cgtgattaca gatagacacg atgccaatgc aggtctggcc ctcac   105

<210>   7743
<211>   171
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220088d02a1

<400>   7743

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ctcatcatct acttaaatnt acaatatata atatactctt cattgaattt gtgtactagt   120

cattaacaat cagcataatc ataaagagtg taggtacata tacatgattt a   171

<210>   7744
<211>   561
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220088d03a1

<400>   7744

gacatggtcc taaagtctgg cctgagatga atataaaatg gactaatctt cttctggctt   60

gttttcttca gaatcatggg ggttacacag agttacaaat tgctgcaaat ggaataactt   120

ggtttcttca gtggcttctc tctacctctc acctgaaatc aacttgtaat cttcatgagc   180

ttgcattgaa ttgatacttt gataaagatg gatgggaaaa aatctctaca ataactaga   240

agtggtactg gtgcttatga tgatgatgga catgccaaaa ggactgggaa tttgcagagt   300

gctgtagctc atatcattac tgctgttatt ggttctggtg ttctctctct tgcatggagc   360

acttctcagt taggatggat tggaaggcca attgcattgc tttgttgtgc aattgttacc   420

tatatttctt cattcctcct gtctgattgc tacagaactt ctgatcctgt cactgggaaa   480

gaaactactc ttacatggat gctgatatag tttacttggt tataaaatga catgtgtatc   540

tgggtttctt caatttttga c   561

<210>   7745
<211>   343
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220088d04a1

<400>   7745

cacacacact ctcatagctg tagcggcgtc actaagatcg gagaatgaat ggctatgact   60

gacgtcgttg ctgctcttta cactgctcct taccggaacc ctagctctca tccaggcgaa   120

gaaatccgaa ggacgatctg aaggatgaga cccacaaggt ttactttgat gttgacatta   180

atggacaaga agcaggtcgt atcgtaatgg gtctttacgg gaaggcatga accagacact   240

gcagataact ttcgcgcact ttgcacacgg gaaaagggaa ctggctaatg caggaaagcc   300

tctccattac aaaggtcgct caacatatgc aaccattcct agc   343

<210>   7746
<211>   185
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220088d06a1

<400>   7746

ctcacccaat attatacgta tcataactat aactctcttc atcacaccag aatactccac   60

tatcgntacg caactacaca tgtatacttt aatagtccac gtacaatact gacgatctct   120

atcattatcc tatcatcttc tcatatagaa caacgatgta tgtactatgc aagatctatg   180

acgtt   185

<210>   7747
<211>   105

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220088d07a1

<400> 7747

cagcaacata gacctctggc gtaagcctcc tacagcatac atgttagccg gcatagtgac 60

cgattttgcg gatattcacg atgtcaatgc atgtacgaca taact 105

<210> 7748
<211> 414
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220088d08a1

<400> 7748

ccaaaataga tacctctgga ttataaggaa acagactttc atcacagatg gaatgggtac 60

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tttggacatc accaaatggt tgtgcgaata tcccgaatat gcacagttca ccaagtacct 180

aactgacacc aagctcgcag accaaatcaa cagacgaaac gacggtacag tccttgccca 240

tgacgacgcc gcaatggctt tcctatacgg caagtcgcaa gacgccgtta aggccatcct 300

tagcacccat gtgcttgtca acttctacga ctataagaag ctgatggaag ccctaagtag 360

ttacaccaaa gtcgaaaccc tattccaatt cttcggtgtc gccaagccca atca 414

<210> 7749
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220088d09a1

<400> 7749

ccaaaacata atgctcagga ttatgtctgc aaccggatgg accaatgagg gaatggggac 60

ctagatatca catatacagg aggcctgtgt aggtagggat tcttgatcag acattccctg 120

tatggatgtt tcccatttat ggcgagaatg atctgactac tcacagctca acctgtgcct 180

acatgggacc tcgttgtctg actagatcaa catactatgc gacgacgtgc 230

3461

<210> 7750
<211> 365
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220088e01a1

<400> 7750

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aagcaaggga aaaacagaac aaagggaagg ctacaccaac tatcaacagc acatgctttg   120

gatgcataag tagttgaagg aagctgctcg cgttcggggc aaaaagaata atgcatctgc   180

tgaaaaatta cgaagttatg agtccattac tatgattttg tagatgagtt tattaaggtt   240

tcctagggat ccataaagat tatgattttc tcatgctcgc gttcgggcca tgattgtcat   300

aaacctcaat gaggtttaat gtacttatta cttatcgcta tcaacactaa attttggttg   360

ctggt                                                              365
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<210> 7751
<211> 500
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220088e02a1

<400> 7751

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tctgtatcga caattctgaa tggatgcgta acggagatta ctctccttct cgatttcaag   120

ctcaagcaga cgctgtcaat ctcatatgcg gtgctaaaac gcagtctaat ccggaaaata   180

cagtgggagt tctcacaatg gctgggaaag gcgttcgtgt tttggttacc cctacccgtg   240

atctggggca gaatctttac ctggcatgcc tggactaaat ttaggtggtg aggatgaacc   300

tacctgcttg ccattcaggt ggcccaatgg gttctaaagc atcggcaaat taaaaggcac   360

cagcggagga taatggcctt ggctggaagt cctgtcaagc ttgaaaggaa aatgctggag   420

atgataggaa gaaagttgaa aaggaatatt gttgaactgg atatggttaa ttttggtgaa   480

gaagatgagg ggaagacaga                                              500
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<210> 7752
<211> 547

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220088e03a1

<400> 7752

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tgcaaatgga accattaaaa ttcagtagtg cttattcatc aaatgaggaa ttagattctc   120

tggaatttag gaaggtggtg tgcaaaggat attttgatga taaaaaatca atctatgtgg   180

gaccacgttc aagaagtatt tcaggaatca ctgaaaatgg ttactatatc ataacacctc   240

ttatgccagt tcccaattgt cctgacagtg tgagttttcc aattttagtc aacagagggt   300

gggttccacg tagttggaaa gacaaatttt tagaggcttc agaagatgaa gatttggaag   360

atgctcttac ttcccccttct cacgatgatg gaactaaatc ttggtggaga ttttggtcta   420

gaaagcctgt tattgaagat caagttgcat ctgctacacc tatagaagtt gttggcgtag   480

ttcgtgaaag tgagaagcca agcatatttg tttctgcaaa tgatcccaag gctatcagtg   540

gttctat                                                             547
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<210> 7753
<211> 602
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220083e04a1

<400> 7753

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acatcttcca ttctcttccc attcacaact agttctaaat cccctccttc tcaactattc   120

ccctcttttc cttgcaaaca tcataccctc cgtctcagac ccgtctcagt ctcagccgct   180

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ctaatcatcg gtggaatcaa cattccccac gatagaggtt gcgaggctca ttccgatggt   360

gacgttctgc ttcactgcgt tgttgatgcg attctagggg cgctaggtct tcctgatatt   420

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3463

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ca                                                                   602
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<223>      Clone ID: jC-gmfl02220088e05a1

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ctttgtggta tgactggcac tgcagcaaca gaaagtacag aatttgagag catttacaag    180

cttaaagtta caattgtgcc aacaaacaaa cctatgataa gaaaggatga atctgatgta    240

gtttttaggg caacttcagg gaaatggcgt gcagttgtag tagaaatctc taggatgcac    300

aaaaccggtc gcccggtgct tgttggcacc actagtgttg agcagagtga ttctttgtca    360

gagcaattga agaagctgg aattccgcac gaggtactta atgcaaaacc agataatgtt    420

gatagggaag cagatattgt agcacagagt ggtcgtcttg gtgcagtgac aattgctacc    480

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tgtccttttt cttctttgct ctccaaaaat ctcacacaca caggtatcta gcaaatgggt    180

tctcaccaac aagaaccatg gctattggag aatgggaaac caagggtttt gaccaaggag    240

accaggcatg gccgttctgc acacagaatg tcctccacct ttttgcgcaa gaaatctagc    300
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cgaactcttg tctcaaaggt tccatgtgcc actctcagaa actttctttc aaatttgcaa   360

gaggttattc ttggcaccaa gctttccatt ctcaatcctg ctaattcagc tgccatcgtt   420

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<223>   Clone ID: jC-gmfl02220088e07a1

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<211>   94
<212>   DNA
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<223>   Clone ID: jC-gmfl02220088e09a1

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3465

<223>   Clone ID: jC-gmfl02220088f01a1

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agccatgaat gcgctcagtg acaggcttca cacacagaac ggggttatcc gccacaggcg   240

taacggtatt cttcaccctg tagaagtatt ttctggacgt aacaggttgc tgctcactca   300

aatgcttcaa tgtgctctta aacttggttg aatggcaaat caatgttgat ccaatttatc   360

cttaagtacc ctgcacttca caaatgactt cctggcttaa gctggggggga aattccttgg   420

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<213>   Glycine max

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gaagctttttg taggtttcag ttgttgtcag gtacagaacc taatgagttc acttttgcta   180

ccgtgcttac ttcatgtata ggttcttcgg gtttttgtctt agggaggcaa atccactctc   240

atatcataaa attaaattac gaagcacatg tttatgttgg aagctcactc cttgatatgt   300

atgccaaaga tggtaaaatt catgaagctc gaggcatatt tcaatgcttg cctgaaagag   360

atgtagtttc ttgtactgcc attatctctg gatatgctca actgggtctg gatgaagagg   420

cattggagct atttcgccgg ttgcaaagag aaggaatgca atcaaattat gttacttata   480

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acca   544

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taacaaattg agaaccttcg tcgaacaaga cggcgcctcc gtctctcttc ccgattctaa   240

cggctattac gctcttcaat gggcctcgct taacaacttt cacgacattg cgcactatct   300

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ggcggcggtt cgtggttcaa ctctagctgc tgatgtgctc gtggagaacg gtgctcgggt   420

tgaagctgca tacgtaaatg gataccgggc agttcatgtt gctgcacaat atggacaggc   480

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atggatggag tcctc   555

<210>   7762
<211>   557
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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aactacacac acaagaattc tgtttctttc tgttgatttg atggatccgc agatctaatg   180

gtttcacaca ctttcttcac tacggatcat tgtcttcttc atctggggca ccccaatagc   240

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gactagtgag gagtgcagga ctatacctat ctatatagtg tatgaaaatt ctggggggtg   360

aagtcgtttt tggggtagtt gatagatgtt gaaatccttg acggttgatt ggtgaaatga   420

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tcggngcagc acttgaa   557

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<223>   Clone ID: jC-gmfl02220088f07a1

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catatcgctt tttttcttca ttctaattct gcgccaccaa atttgcgatc tttctgtgcc   180

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tacctccaag aaagagtgca gcttcttaca gggttgatga atgggatgtc aacaaatggg   360

catgggaagg gatattaaaa gttactagca cgggagaaga atgcatcata aaacttggag   420

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atcaggtggg gaatttatgc tgggagttgc attgccttga gcatggaatt aaccctgaag   180

gcaccatgcc tagtgatacc ttaaatggtg tagcacatga tgctattaac actcatcttc   240

agcgagaccg gatccggtaa gcatgtgcca agggctttat ttgttgatct ggaacctagt   300

gctatctgat gaaatcacga actggtccct tacagacaat ctgttaaacc ctgagcaaat   360

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<210>      7766
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<212>      DNA
<213>      Glycine max

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ggaaaggaaa gaaaatcgcc atcattggtg tctcaacctt attgttggtg gctatggttg   180

tggcggtcac aattggggtc aatctcaatg agaatggttc taacaatgat atagaggaca   240

acaagaaaga tcatgttgct tcttccataa aagccgtcca aaccctttgt catcccacaa   300

attatgagaa agaatgcgag gaaagcctta tagctggggc tggaaatacc acagatccaa   360

aagaacttat caaaattttc ttcaacatca ccattacaaa aattggtgat aaactcaaag   420

aaactaatat tttgcatgag gttgaagagg aacccagagc caagatggca cttgacactt   480

gcaagcaact catggatctt tttatagggg aattaacaag gtcacttgat ggaatacatg   540

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<211>      570
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220088g04a1



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catcaaaata gacgggttac ttgaactcat tcttgatact tccatgcatt ataggagttt   240

aagtgaaaga atagagttga attgtttggt ggctgggaaa agaaagtgat gtccccaacc   300

tgagtttttg tgcaatgatg taaaatttta tttgatgatt aatatgaaat atttatacac   360

ctgatgtgat aaggtcaact cagcgtctat gtgagtgtag gtttttcttt tcttggacca   420

gcatgctatt tgacatttat agacattacg tactctgaaa gaagaatacg ttatcggttt   480

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attctcagtt ctttctttaa tattttgaga ggagcaccag gaatcgcttg gcactaacga   180

gaaagtgaga gagggagatg aaataagttc gtactgaaga tggcgtcgag gcaaatggaa   240

gagattcgga agaaattggc tgaccttaat tacccgagag cgaatgcccc tgcacagtcc   300

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attcttagtt ctttctatta atatttgaga ggagcaccag gaattgtttg gcactaaaga   180

gaaagtgaga gagggagatg aaataagttc gtactgaaga tggcgtcgag gcaaatggaa   240

gagattcgga agaaattggc tgaccttaat tacccgagag cgaatgcccc tgcacagtcc   300

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gttgatac   488

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<211>   491
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<400>   7770

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agaagaagaa gaagaagaag aatcaaatat ccttgagcca gacatgtaca ggaacgctgc   180

ttcacgtctt agggtcatca gtgcccgttc gtgcagcagc agcaggatac ctgccagtgc   240

cagatttgca agttccgttg ccacacaaca atcctcttct ggtttgggtg gtttatttgg   300

atggctcact ggagaccgat ccagttcttt accatctctg gatttcccgc ttccgggcgt   360

tacacttccc ccttcattgc ctgattttgt tgcgcccgga aaaactatta ttactacact   420

cccaaatgga ctcaaagtgg cctctgaaac attaccgact cccactgcgt cggatggctt   480

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<211>   531

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<212> DNA
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<223> Clone ID: jC-gmfl02220088g08a1

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cagtacccac cagcttctca aatctacctc cactcgctca gcctcacgct tccaccgcca   180

aactcatcat aactccgtag tctctctccc actttcttca ggaagcgact acaccctttc   240

cttcaactta ggctcacacc cttctcaatc cataaccctt tacatggaca caggcagcga   300

cctcgtgtgg ttcccatgcg ctcccttcga atgcattctc tgcgaaggca aattcaacgc   360

cacgaagcct cttaacatca cgcgctccca ccgcgtctcg tgccagtccc ctgcatgttc   420

cacagcacac tcctgcgtct ccttccacga cctctgcgca atcgcacgtt gtcctttgga   480

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gttctgagga acctgttgct gagcctaccc tatagaaaac ttatcttcac aaacgcagac   480

aaagttcacg ctgcgaaggc gcttaacagg cttggattag aagactgctt tgaaggaatc   540

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3472

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tagcaataca agatctatga t                                            141


<210>      7774
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cccctatgca ccaagggaat tgattataga aataagaaaa aggcatcaat gaaagaggtt  180

gaaaaagaag tatgttaaat aggtcattct gttgtttctc gtgtatctgg actcatgagc  240

tgagctgcat tcagggaaaa gcatgtacag tatgaactct aaatgcagta ctggggattg  300

ccagatattc tggatgttaa ggtctacacc attgacacca cagtttcttt gaaactgctc  360

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gattttgggc tagttgattt                                             440


<210>      7775
<211>      169
<212>      DNA
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<223>      Clone ID: jC-gmfl02220089a01d1

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3473

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<223>   Clone ID: jC-gmfl02220089a02d1

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caatatgcta aaacattgac tttgtagaaa acaagaattt acacgttgac ccaagttttt   180

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<223>   Clone ID: jC-gmfl02220089a03d1

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ctctacagga gcaagagctc gcagctctga tgggagctta atccactgtt ggctgaaacc   180

caaccataat aataatataa agcacaaact tcaaaggaac gaatgatttt tgctcaagca   240

tcatcaagag caaggacacc agggagttgc tttccctcaa gaagctctaa gctggcacca   300

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3474

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agcagaaatg gactgcagaa gaggaacaag cacttaaagc cggagttgtc aagcatggtg   180

ttggtaaatg gcgcaccata ctgaaggatc cagagtttag tagtgtcttg tacctgcggt   240

caaatgtgga tctcaaggat aaatggagaa atctgagtgt gatggcaaat ggatggagct   300

ctagggaaaa atctaggtta tcagtcagaa gggtgcatca ggtcccgaga caggatgaga   360

actctatggc tatcactgct gttgctccaa gtgatgaaga aattgttgat gttaagcctc   420

ttcaagtttc tagagatatg gtgcatattc ctggtccaaa gaggtctaat ttaagtttgg   480

ataaacttat aatggaagcg atcacttgct tg   512

<210>   7779
<211>   539
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089a04d1

<400>   7779

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cgctaaggta caacagcta taaagaaatt acaataaaga ttcaaacaat ggttctatct   120

acaagaagga tatttcaata tccaaaaata tatcctaata aaggtgaaac ttgcatagtc   180

acaagagcct ccaatattgc aaactataga ctataccagc aaatgatatt tagctggctg   240

gctgtcctac tcaattccac cgttcatctc tcctcgagtc taattcttca aacttccatc   300

aagcatggat cctctttggg gattttctcc ctttcgctga ttttgttgta gcatctgcaa   360

aagcttgtgc agcctccgca tcagcttctg ctgcctctgc ttcctttgct gcctcctctg   420

cttctgcaat ggcggcttct gcttcagcaa ctgctcgagc agcaaatgca gctgcctctt   480

3475

gtggagtcat agaccttatc ttttctaact ctaaatctat ctgagatcta gtaaggatg   539

<210>   7780
<211>   473
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089a05a1

<400>   7780

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tctactcttc cctgctatta atgtcaatga ctctgttacc aagagcaagt ttgacaactt   120

gtacgggtgc cgtcactctc tccctgatgg tctgatgagg gctactgatg tgatgattgc   180

tggaaaggtg gctgttgtgg ctggatatgg tgatgttggc aagggttgtg ctgctgcatt   240

gaagcaggct ggtgctcgtg tcatcgtgac tgagattgac cccatttgtg cccttcaggc   300

tctcatggaa ggccttcagg ttctgacctt ggaggatgta gtttctgaag ctgatatctt   360

tgtcaccacc acgggttaca agggcatcat catgatttga ccacatgaag aagatgaata   420

accatggcct tgtttgaaca ttggtcactt agacaatgag atcgacatgc tgg   473

<210>   7781
<211>   423
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089a05d1

<400>   7781

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aaacaaaaca tgcttattca acccaaattg gtttcatatc acagaaacca acaggatgtc   120

ttcctcctta cccgtcccac ccactcgaac agaaattcta cggaaattaa aaataaaaaa   180

agctaaactt cttttacctc aaatctgaaa agtctaacaa caaaaattca aaaataggaa   240

aattaaacaa tcaatccgct tcattaaacc caaggagtct ttccctcatt tttcgttgat   300

aatcccaatt tcttaggacc tgtaatgagc aagcttgtat ggacccttaa caggcacact   360

gatgtaatca gcctgggccg gtcttagctt ggtgagctta acttcaagtt tgccaaggtg   420

aaa   423

3476

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<210>      7782
<211>      480
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220089a06a1

<400>      7782

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tctactcttc cctgctatta atgtcaatga ctctgttacc aagagcaagt ttgacaactt   120

gtacgggtgc cgtcactctc tccctgatgg tctgatgagg gctactgatg tgatgattgc   180

tggaaaggtg gctgttgtgg ctggatatgg tgatgttggc aagggttgtg ctgctgcatt   240

gaagcaggct ggtgctcgtg tcatcgtgac tgagattgac cccatttgtg cccttcaggc   300

tctcatggaa ggccttcagg ttctgacctt ggaggatgtt gtttctgagg ctgatatctt   360

tgtcaccacc acgggtaaca aggacatcat catgattgac cacatgaaga aaatgaagaa   420

caatgccatn tgttgcaaca ttggtcactt tgcaatgaga tcgacatgct ggggctggag   480


<210>      7783
<211>      467
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220089a06d1

<400>      7783

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aaacaaaaca tgcttattca acccaaattg gtttcatatc acagaaacca acaggatgtc   120

ttcctcctta cccgtcccac ccactcgaac agaaattcta cggaaattaa aaataaaaaa   180

agctaaactt cttctacctc aaatctgaaa cgtctaacta ccaaaattca aaaaaggaa   240

aattaaacaa tcaatccgat tcataaaacc gattttggct ttccctcact ttccgttgat   300

aatctcaatt acttagtacc tgtaatgagc aggcttgtat ggaccctcaa caggcacact   360

gatgtaatca gcctgggccg ggctaagctt ggtgagctta gctccaagtt tgccaaggtg   420

aagtgcagcc accttctcat caaggtgctt gggcaaaacg taaactt               467
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3477

<210> 7784
<211> 341
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220089a07a1

<400> 7784

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ggtcaaaaca ttcaaggcgc atcattctct gaacttgaca ctggcgcaga tcacagggct   120

gaggtggatc gaatcattga tgctttaact gctattgctc atacaactga acatgatgga   180

tgatcagatc tagattctag tcaaatttca cttacacttg gtaaagttga agagaatggc   240

atatagaatg aatctgaccc cagaaagaag gctgcggatc taattcttgg agctggtctg   300

gactgacaac cagctgctga gatgtgatct atcattcgga a                       341
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<210> 7785
<211> 370
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220089a07d1

<400> 7785

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aaaataaaac attgttttga taaaaatttt tgtccgacca aattaacaaa tatgcacaga    60

caggccgaaa agaaaaaccg aaaaaaaaga gggaaggggg ctgatggca tgaaaccggg    120

tagagctaaa acctaccatt tacggggaaa caccaggggc cttatatacc acttaaaaaa   180

aagggggact tttacagaaa caactaagga tgacacaaca tttacacaat tcaagaaaac   240

ataaagctgg ccaaacggta taggcagctg caaaggcttg cttaggtga gatgcccaca    300

ggaacaacct tacacttgga catgaatgca agactacttc ctgggcagaa ttaattaaca   360

atagaatgga                                                          370
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<210> 7786
<211> 491
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220089a08a1
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<400>   7786

tcttaagcca ttggattctt ctagaaagag gaaaagtagg agcagagggt atgggactag   60

atccgtggct gagactattg caaagtggaa ggaatacaac gaacaccttt attctggcaa   120

agatgatagt agaacaactc caaaggcacc ggctaaaggt tcgaagaaag ggtgcatgaa   180

agggaaggga ggacctcaaa actctcagtg taactacaga ggagttaggc agaggacatg   240

ggggaaatgg gttggtgaga ttagggagcc caatagagga agcaggcttt ggttgggtac   300

cttctcttct gcccaggaag ctgctcttgc ctatgatgaa gctgctagag ctatgtatgg   360

tccttgtgca cgcctcaatt ttcccggcat cacagattat gcttctttta aggaaatcgt   420

gaaggaatct cccatggccg catcgtcctc ttgttcttcg gcagaaactg gcacatctga   480

cactactact a   491

<210>   7787
<211>   527
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089a08d1

<400>   7787

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gagcaacgat ataatatact cgagatataa tagttctcca tggtacataa caaagaaatt   120

ttgtatccaa atcagtgctc aactatagtc agccaaacga cttcaaacag tctactcctc   180

agctccacct atgtagttaa aggcagtcca atttgaatcc caaaaaacat gtaagtaaaa   240

agaattaaca aatattgtca cagctaaatt ctccatttta aaaatctta cagagaatta   300

gcatattaaa agaacataaa caaatcaaat ttcttgtatt agttgtatag ttgtattcct   360

cttatgcacc tgtatatagc taaaaagggg acaacaacct aagagacaga ttactagcag   420

atgctcgaac cagttgaaaa tgaggcagat gatagactta tgcacgtcgc cttctctagt   480

catccttcct tgcttgcatg cccttttgaat cagggttcag atcatca   527

<210>   7788
<211>   363
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220089a09a1

<400>   7788

ggctgggaga ctgataatgt tgaagaaata gctttaaaga tttctcaatt gccaaaagca   60

tcagaaaaac ataaaaggat tactgttatc acccaaggtg cagatcctgt ttgtgtcgct   120

gaggatggaa aagtaaaata gtatcacagg atacaatttt tttttgattt gtggaattac   180

tcttgttcct acctggttca gcacagcctg ctcaatctcc tcctcttgtt ttttctcttt   240

ttgttttttt ataataaaaa gattcagttt ttttgtgttg tcgctgatac ctatttgcat   300

cttgtgttct gggtcaatgc tgtcatgttc ctgcaaatt atggcttcaa tccgtgctct   360

ggg   363

<210>   7789
<211>   559
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220089a09d1

<400>   7789

aacggaagat ctcaaaccgc tcttgtagct tgagaccaat ttctaacatc aataattcca   60

ctcataacaa gggaaacata gaggcagtgt tgggtctcaa tgcgaaaaaa caataacaat   120

tgtatcataa actacaactc tactttcatc tattttgatt tatagaaaag aaaacaagtt   180

ttttctagta aaaaggagag gaccccctggt tgagttctca ggagcatgtt ttaggaacat   240

gatacaacat ccgagaaatc tttcttcaga aggcatatct atgaggggc agaaaatagt   300

ccaccttggt ccataatttg gtaacaggaa gtgaagttga ttatgacatc atggctcatg   360

gcaattcaat aatatacatg aacatgattc cataatgctc gagatcgata gttcttggat   420

aaacaggtgc attagaattt agaaaatgtc tgtgacaaat tgaaactgga tatacttgtt   480

acttcctgat ggagaggagc tcaaaactcc gcagaggatc atcgcggttg cctcttgtgg   540

atccagagcg catgtaaat   559

<210>   7790
<211>   219
<212>   DNA
<213>   Glycine max

3480

<223>   Clone ID: jC-gmfl02220089a10a1

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atcggactca tgaaaaacta gcacatatat atatatata   219

<210>   7791
<211>   471
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089a10d1

<400>   7791

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gagcgcgata caaccttggc gcttctgacg taccctgcac tagtgaagct gtgcgccgaa   180

ttccacatgt actccggcgt gatcaatgcc ttgtgattgt gctgcacttt cttgccgaat   240

gtgtccaaca cccgactagg tctcgagtct gcgtgcatac ctatcttagc tgagcaggtt   300

tgggagcacc aaggtccaca cagcgggcta acgaactcgt atagcaccgc atatgactgc   360

cagtacgatt gaaaggaatt gcctacggca taggacatga cgcgcaagac atcatagcat   420

gaccaggtct ggtccattag ctcttgaaca atgctttcga cacatgccct c   471

<210>   7792
<211>   166
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089a11a1

<400>   7792

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atgtatctga caaggtaact gatccactga cattggaatt cccggatgaa aataggaata   120

ggagcattaa agtgatggtg ctggctacgg tggtattgca aaacat   166

3481

<210>   7793
<211>   499
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089a11d1

<400>   7793

agtcaaagaa gcaatagatt ttattctaat caagggggca tagggtaca ccattttaag   60

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tacatataat atagagctta agggaaatga actagtatta tacatacgac accacctta   180

gatgttggga gttcttcatt ctggtttaga tgcttattct cgtaacataa agaaaggggc   240

ctttattata tgccttggca tgtaaactgt gaagatccat tgacagaaga gagggagcat   300

gccggtgaac acattggatt catctaatat ggaaggagtt gtagccagaa ttctttgcaa   360

tgttcatctg aattcttgcc cagacatcag catttctgca acggctatct gtaaggtgct   420

gcccttttgct tccactgcat acttcattgc aagtttcagc attgctattc cggcgccgct   480

cgttatgtct ggccaagcg   499

<210>   7794
<211>   429
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220089a12a1

<400>   7794

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gagaggcagg aactggaata gcagaactaa tagctcttga gatgtcaaag cagacaaaga   120

cacctataga ggagactcgc aagaagatat ggcttgtaga ctcaaagggt ttgattgttg   180

gttcaagaaa ggcttcactt caacacttca agcagccttg ggctcatgag catgagcctg   240

taggcagtct cttagaagct gttaaggtaa tcaagcctac agttntgatt gggtcatcag   300

gagtgggaaa aacatttaca aaggaagtaa ttgaggctgt gacttctata aatgaaaaac   360

ctcttgttct ggctctctcc aatccaactt cacagtctga gtgtacagct gaagaggctt   420

atcaatgga   429

<210> 7795
<211> 443
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220089a12d1

<400> 7795

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ttttggggga agaaaaccaa aatttcataa tacaaagcat tatatggttt attacgacca   120

aagctaaccg ggttttgccc cataacaaaa aggttacttt acccgcaatt ttggggattt   180

cactgaaaat tgcctaaaac ccctcacttt ggcctaagtt tcctaaaaca acttacacgt   240

gcccccaaaa catgggttta ttcccgccca aggcaaggga cttgccccat aattcaccta   300

tagtttctgg gcacggggga atccctgcag ctctaaacct acttgacaag attctggggc   360

cctgggaacc caatggccca gcctacgctc tatgccttgg cagctacact tgcggggatg   420

tcagctgcaa attgcttggg gtt                                           443
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<210> 7796
<211> 517
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220089b01d1

<400> 7796

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attacagtgt ttccaacaga tactattttc ttttacataa aaagcatcta aacactgata   120

tacatatatt aaaataaaat aaaaacatct aagctttctt tggagacttg gtagccttgg   180

atggagattt tggttcctta gcaacctgag tcttcttagg tagcaaaaca gggttaatgt   240

ttggaagaac accaccatga gcaatggtga caccagcaag caatttcccc aactcctcat   300

cgttccttac agccaacagc acatgtctcg gaataatcct gttcttcttg ttgtcacgtg   360

cagcattccc agccaactca agcacctcag cagctaggta ctcgagaact gcggccaagt   420

aaacgggagc accggtaccg acacgctggg cgtaccttcc tttcttcaaa taacggccaa   480

ttcttccgac ggggaattgg agaccggcct tgacgga                           517
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3483

<210>   7797
<211>   574
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089b02d1

<400>   7797

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aaaataagca aaataaaaac accacgagca tggaattttt aatcgaagca ttttcaggca   120

ataagttcat ttgggaacaa agaagacata agtgaagcaa caaaatcaga ctcactagta   180

agccagcgga aggagttttc aaaagattcc ttttcctttg ccactgacc gagtcatttt   240

ttgtatccaa atagaaacaa aaaaaaattg ccatccatat gaaatgagct aggcaataga   300

tggcatattt tgagcttcat ttgagctctt tttggacttg tgctttgatt tcttctcccg   360

cttcttgccc tcgtcatgag agtgatgacc ccaacaagac ttcagttttc ggttgatatg   420

cttcaattcc ttctcagaag gactttgta tttttctaacc caagaatcaa ttgcatccag   480

tgattcagaa agctcggaca ttgtatgcat ggaattctca cgggaaaaaa tacccctaag   540

ataactatca aagtcaatga ctctgtggaa tgca   574

<210>   7798
<211>   525
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089b03d1

<400>   7798

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cgctaaggta acaacagcta taagaaatt acaataaaga ttcaaacaat ggttctatct   120

acaagaagga tatttcaata tccaaaaata tatcctaata aaggtgaaac ttgcatagtc   180

acaagagcct ccaatattgc aaactataga ctataccagc aaatgatatt tagctggctg   240

gctgtcctac tcaattccac cgttcatctc tcctcgagtc taattcttca aacttccatc   300

aagcatggat cctctttggg gattttctcc ctttcgctga ttttgttgta gcatctgcaa   360

aagcttgtgc agcctccgca tcagcttctg ctgcctctgc ttcctttgct gcctcctctg   420

cttctgcaat ggcggcttct gcttcagcaa ctgctcgagc agcaaatgca gctgcctctt   480

gtggagtcat agaccttatc ttttctaact ctaaatctat ctgag   525

<210>   7799
<211>   505
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089b04a1

<400>   7799

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cagctttatt tgaatccctc tctctccttt ccaaatggcc agcgttgagg ttgcacatca   120

aacaccaaca acagttccag aaaatgaaac aaccgaggta atcaagaccc aggaaacaac   180

cccggaacca gtaccagcca ctgaggctcc tgcaacagaa caagcagcag ctgaggttcc   240

tgctcaagaa gaacaacaag caactgaggt tcctgcccca gaatcaacca ccgaagcacc   300

aaaggaagaa accaccgaag caccaacaac agaaacagta gaaacaacaa ctacagaaga   360

agccaagcca gaggagccta agaagttgc agttgagacc gaggaggtgg tgacaaagga   420

gacagaggaa gagaagccag cagcagaaga gaaatcagag gagaaactg aagagtgaaa   480

gaagaagcag agagcctaaa gaaac   505

<210>   7800
<211>   336
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089b04d1

<400>   7800

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ttaaaaattc tttgacccctt cccaaaaaaa aaacccttat tcctaaaatt ttagaccagc   120

aagaggttgg ttaatttaaa acccaaatcc caaaaatttt tatggtcccc ccggggaaac   180

cccctttttt ggggcccaag gttgggccca acccgggggt ttcccctcat tattccaccc   240

aaggccttac cctttttta aaaaaatttt ttaataaata agggtaccta agaaaattat   300

ttaaaaaaaa gctttttaaa ctggcattcc aaaagg   336

3485

<210>   7801
<211>   391
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089b05a1

<400>   7801

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tcaagaggag ctttgaactt gctaggcagg ggactgagtt ctgggttgtc acctaggttc   120

ctctctggat tatttacgaa agaaaagcca gagaagacta ggcagcataa agacgaaaac   180

attatcttaa tgggttcctt accaagcact atatgatcac aacctgtacg taagtgttat   240

ctgtctatat cttacgctga tcagctatac catacatttt attacatctt aggatgtttc   300

ttcaataatc actaatgtcc atgtattcaa tttttggatt tgtcattctt tgtaaaaata   360

aattatgtat agtgtgaaat catgtttctt c   391

<210>   7802
<211>   391
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089b05d1

<400>   7802

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attgaataca tggacattag tgattattga agaaacatcc taagatgtaa taaaatgtat   120

ggtatagctg atcagcgtaa gatatagaca gataacactt acgtacaggt tgtgatcata   180

tagtgcttgg taaggaaccc attaagataa tgttttcgtc tttatgctgc ctagtcttct   240

ctggcttttc tttcgtaaat aatccagaga ggaacctagg tgacaaccca gaactcagtc   300

ccctgcctag caagttcaaa gctcctcttg attcaccacc tcctctttgg cttgctctgt   360

tagttaagct ccttgtctca ttcaatctga g   391

<210>   7803
<211>   530
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089b06a1

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gaacaagatc aagtatagct gtaaaggtgg atggaaatgg agggacactt ctaagccaaa   120

cccaaataca attgttggtg ccatggttgc cggtcctgac aagcatgatg gcttccatga   180

tgttcgtaca aactacaatt acacagagcc aacacttgct ggaaatgccg gtttagttgc   240

tgcactagtg gcattgtcag gcgacaaagg cacatctatt gacaaaaata ccattttctc   300

tgctgttccc ccaatgtttc ctacaccgcc accaccttca gcgccatgga aaccataagc   360

tcatcgtgcc attggttatt tctttctagc aagtacccca gatgatatga gtgcaccgtt   420

aaccttcgtt gtttgtatca acttgaagat agggtaattt tgagaaaaaa aagctggaga   480

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<223>   Clone ID: jC-gmfl02220089b06d1

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ccactttatc aattcttaat gctaatcttg ggtccttcat tggccccagg cagatatttt   180

cagtggccaa tgttactttt tccaagcttt tttttttca aaattacccct ggtcttcaag   240

ttgtttcaaa accacgaagg ttaacggggc actcatatca tcggggggac ttgcttgaaa   300

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aagaaacatt gggggaacag cataaaaaat gggtttt   397

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gggtcagcat gaggaagacc gtcaccaagc aggcctcctc cggaagccca tggtacggcc   180

cagaccgcgt caagtacttg ggcccattct ctggcgagcc cccgtcctac ctcactggcg   240

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ccagaaaccg tgagctcgaa gtgatccact ccaggtgggc catgctcggg gccttgggct   360

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aggcccggtc ccagatcttc agcgagggtg ggctggacta c   461

<210>   7806
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220089b07d1

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gtacattgca ataacatata cttcaccaaa cacaaatcta aaaactctca aaagtccaca   120

agtcatcctt ttctttcatg ctcacttgcc ggggacgaag ttggtggcgt aggcccaggc   180

attgttgttg actgggtccg caaggtgatc agcaaggttc tccaatggac ccttaccggt   240

gacaatggcc tgaacaaaga acccaaacat agagaacatg gccaatctcc cgttcttgag   300

ttccttcacc ttaagctcag caaaagcctc tgggtcatca gcaaggccca atgggtcaaa   360

gctgtcacca gggtagattg ggtcagtgac ctcaccgagg ggcccaccag caatacgata   420

accctcaaca gcacccatta ggataacttg ggtggcccag atggcgagga tgctctgggc   480

gtggacaatg cttgggttgc cccagtagt   509

<210>   7807
<211>   483
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089b08a1

3488

<400>   7807

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gtcggcgcgg cgagttccct cgccccgaag atcggtcccc tcggtctctc ccccaagaag   180

atcggagaag atatcgccaa ggaaaccgcc aaggactgga agggcctccg cgtcaccgtc   240

aagctcaccg tgcagaaccg tcaggccaag gtcacggtgg tcccatccgc cgccgcgctc   300

gtcatcaagg ccctcaagga gcccgagcgt gaccgcaaga aaacgaagaa catcaagcac   360

aacggctaca tctcgctaga cgacgtcatc gagatcgcta gggttatgag gccgaggtca   420

atggcgaagg acctcagcgg cagcattaag gagattctcg gacgtgcgt ctccgtcgga   480

tgc   483

<210>   7808
<211>   436
<212>   DNA
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<223>   Clone ID: jC-gmf102220089b08d1

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ttaaaaagaa cccgaaacga tctgaaaaaa gaccaaagaa aaagagagaa agagagtaac   180

aaagccttcc tccttaatcg agaggggcct taacattccc atggggaatc tcctggtgaa   240

agtccttggg aacctttcca ttaacggggc atccgacgga aacccccgtc ccgagaattt   300

ccttaaggct gccctgagg gccttcgcca ttgacctcgg gcttaaaacc ctagggatct   360

cgatgacgtc gtctagcgaa aagttgcccg tgggcttgaa ggtcttcggt ttcttggggg   420

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3489

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agtggtgtac ttctttgata gtgaggctgc acaagaccta accatcatga aaattaagga   240

tggcatgttc actttgttca accattactt catcacctgt ggccggttcc ggcgatcgga   300

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caacaaaacc ctagatgagt g                                             381
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<223>   Clone ID: jC-gmfl02220089b09d1

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attggggaaa aatgaagttt gcaaaagcat ttccatcatt ccttttgggt aatatacgg    180

ttgaccattg aatttaaaat tgaaattcgg ctaacaaga tgaacggaaa gtcaaacatg    240

cttttaatct cattaaaact taattattct caagcaaaag accaattatc ttgagctcaa   300

atttaagctt caccatttca tcctccggaa aaatcatggg cagaaacttc ccattaacac   360

cattctccat agaacctttg ggcaatggat tccccaaaac aaccccttaa tttccaacac   420

cttgaagggt gtagtaaaca aactttg                                       447
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<210>   7811
<211>   489
<212>   DNA
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<223>   Clone ID: jC-gmfl02220089b10a1

<400>   7811

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<210> 7812
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<212> DNA
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<223> Clone ID: jC-gmf102220089b10d1

<400> 7812

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attggggaaa aatgaagttt gcaaaagcat ctccataatt cctttgggt aaatatacgg 180

gggaccattg aatttaaaat tgaaattcgg gctaacaaga tgaacggaaa gccaaacatg 240

ctttaatcc cattaaaact taattattct caagcaaaag accaattatc ttgagctcaa 300

atttaagctt caccatttca tcctccggaa aaatcatggc caaaaacttc ccatcaacac 360

cattttccat agaacctttg ggcaatggat tcaccaaaac aaccccttta tttccaacac 420

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<210> 7813
<211> 391
<212> DNA
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<223> Clone ID: jC-gmf102220089b11a1

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cactcttcaa tcaacaatga aattctggga cctattcttc gtggctctca tgccagtctt 180

ggagaccctc ttgattactc tccttggttt attaattgca acccaacgat ttaatctcct 240

gcgaagcgtt gaagcaagga attatttaaa taatcttgtg ttttacatct tcactccggc 300

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tttgttggtg aatataattt taacgttagg t 391

<210>   7814
<211>   631
<212>   DNA
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<223>   Clone ID: jC-gmfl02220089b11d1

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cacatcgtga tgcgtcactt acaaatcagt ttatgactat tccaacacaa atcgaccta 180

cacccactct gtcagtgaca ggccgagcag gcagatgcaa ccctcgacta aattacaggg 240

atgcgtgaca ccgtccacgt aaggaacggg cacccggaag cgaggccact tgtggcagcg 300

tagaatgctc atttcttgat aagagagcat tcactctgag cattgctgag cgtggaccct 360

tgtcgcaggg ggaagctgat actgtatctt cagaacggag agctgtagcg gatgcgatcc 420

aatgaatccc caatagcatg ctgctgaagc tggcacaatg cccactgtag gtggaagtat 480

gaaccgcgct gccatagtcc ctattgtcaa gacaatgcgt actgctgact tgatcaagcc 540

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agaagcagag ctgacattac acgaaaggga g 631

<210>   7815
<211>   463
<212>   DNA
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<223>   Clone ID: jC-gmfl02220089b12a1

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3492

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cactcttcaa tcaacaatga aattctggga cctattcttc gtggctctca tgccagtctt   180

ggagaccctc ttgattactc tccttggttt attaattgca acccaacgat ttaatctcct   240

gcgaagcgtt gaagcaagga attatttaaa taatcttgtg ttttacatct.tcactccggc   300

gctccttgtt gctgatttgg ccgagaacaa tcacgttcaa tcgattgggt gaaatgtggg   360

ttttggttgg tgaatatatt ttaacgttag tggttggctc cattctcggt tggatgctta   420

ataaaatcgc caaaaccccc aaacacctcc ggggtcttgt aat   463

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<211>   558
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<223>   Clone ID: jC-gmfl02220089b12d1

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tactggatat gatccccgtt tggcaaaaga aacccatgat taattttagt ctataccgtc   180

aacatgcaca tgaagaaggt gcaccaaaga gcgagactaa atgtcgcaat gaaatatgtc   240

catatcatga taagagaaca ttcactctca ccattcccga gcatgtacaa ttgctgcagg   300

tggaagcgca tattgaagca taagaacata ttgatataac gaatacgatc cattgaatcc   360

cctataatat gctgctttaa caatcaaaat acccaagata ggtgaaatta tgaaccgcac   420

taccataatc cctataatca agaaaatgct tattgctgac ttctttaaac cattacgaag   480

atttgctaca actaccagag tcatagacac aattgtggcc tcccccacta aagaagcaga   540

actgatgata acacgaaa   558

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<211>   379
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<223>   Clone ID: jC-gmfl02220089c01d1

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gtatataatg agttgcgtac aaagcctaga tctcaggaat aaaatgaacc tgcattgtat	180

ttttcaagat ggaactgtac taagatgatt ggagtatatt cacatcacct ccgtatggta	240

ccttccattc aaaattcaaa accaaattag ctccacagta ctccaaatta agctaagcca	300

acttatagcc agggcaaatc cttcttccaa taccataggg cataatctta atcactttac	360

tttcaggtat attaaaccc	379

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<211>		550
<212>		DNA
<213>		Glycine max

<223>		Clone ID: jC-gmfl02220089c02d1

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gcccatatag aactctttgc agcctcactt ggatcatcaa ttctcaacgt tttgggaacc	120

aaaacacccc cgtttcttgg ctttgaagct tcttctttag gcaaagagta ttgcttaatc	180

atgtcaccgt cgcgcgagtg cttccccaaa gttggagaat ttggactgga gcttcgagac	240

tcgaggtttg aagcagatga atgtgaggaa acaatggaa cattccaatt ccctggcatg	300

ccacagttcc aaaatgtagc aggatagaat ggtaggggaa atcctgaagg acacatagca	360

ggtggaggaa ctggagaatt ccatgtatag ggccaagaaa caccaggaat acatggaagt	420

tgaggaagga aaccatgatt ttggggcact gattgttgtt ggaaggtgtt tttggtattt	480

tctcccttgg aacttgaaac tgtgatggag gatgtagttg aagagtcatt accattttcc	540

ccactttgc	550

<210>		7819
<211>		500
<212>		DNA
<213>		Glycine max

<223>		unsure at all n locations

3494

<223>   Clone ID: jC-gmf102220089c03a1

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agctttacaa ccggttattg gattacttag ttcctgctgc tctgaaagcc agagagaagc   180

agcattgtta cttggacaat ttgcagcaac tgattcagac tgcaaggttc acattgtaca   240

gagaggtgct gtccaacctt tgatagagat gcttcagtct cctgatgtac agctcaggga   300

aatgtctgct tttgcattgg ggagattggc ccaggaccca cataaccagg ctggtattgc   360

acacaatggt ggcttagtgc cgctgctcaa gcttcttgac tcanaaaatg ctctttgca   420

acataatgct gcttttgctc tatatggcct ngcagataat gaggataatg cgtctgattt   480

cataagggta ggtggagttc   500

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<223>   Clone ID: jC-gmf102220089c03d1

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tgaacgtagg catctgagag aagaactgtt aaatcatata gcagtcacat tgcatgagaa   180

aaaaacaatg ttcgtgaagg tcatatttgc tatatctatg ataatgacgt tacagacaga   240

aaggggctta cacctcattt aaaaagaaga agaagcatga ctccggcgtt agatatttct   300

tttagccaaa ctgtatacca tacaggagat tgctactaga gtcggtcgtt ttgagagttg   360

gcctttgtaa gagctttaac gaagtaatta cggatctctg gtgttatgcg ctgaatcaga   420

agagagtgcc ctggccttga actcaattta tcaaattgct ccaagataaa aaggatgcat   480

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<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
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ggaatcatgc cctcaggctg aagacatcat cacagaacaa gtcaagcttc tctacaagcg   180

ccacaagaac actgctttct cctggctcag gaacatcttc catgactgtg ctgttcagag   240

ttgtgatgct tcactgttgc tggactccac aagaaggagc ttgtctgaga aggaaacaga   300

tagaagctnt gggttgagaa atttcaggta cattgagacc atcaaagaag ctttggaaag   360

agaatgccct ggagttgttt catgtgctga tatcctcgtt ctctctgcca gagatggcaa   420

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cagcccattt aaaggaaaag accttaatta ttttttgcat aatatattac agattttctt   180

cctcgatcat agacaagggg aggaaaattc aagggtcctg atcatggtgc ttgttggcaa   240

cattgcactg ctttctgacc tcacccttg tgccagtgag agggttgttc tctgagagca   300

aggtaatggc tctagagaac tccttgaaga aatagtcttg gctcttggcc attttcttca   360

cataaggctt ggtcctcttg tcattggcta gttggtgatc cactatcaag agacccttgc   420

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aatgaaatga atgaatgacc ctttgaacct tttttatact ttgggagtta gcatgcatgc   180

ctggtggtga ccacagtgga ttgattatgc tgttattaac aacaggggat ttggattttt   240

tctgaggggg agaacaacaa aaactagtag tatccttaaa agagaggaga gatccttgct   300

tgcttgagag tttccaaaaa ttttggaatt tcagaaaaaa aaattgaccc aattggtcca   360

aatccccaca attctaatcc ccctatcaaa agtccaaaat acacgcaatt ttcaagagca   420

gagagagacg aacaagtaca tgaaatggga gacatagcag aggaaaaac               469


<210>      7824
<211>      478
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220089c05d1

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tacaatgcaa atacgggggg aaccatttct agatttcatt gggagccttg cccctgtttt   180

tcctctgcta tggctcccat ttcatgtact tgttcgtctt tctctgcttt tgaaaattgc   240

gtgtattttg acttttgat aggggggatta gaattggggg gatttggacc aattgggtca   300

attttttttt ctgaaattcc aaaatttttg gaaactctca agcaagcaag gatctctcct   360

ctcttttaag gatactacta attttggggg ctctcccccct tagaaaaaat ccaaatcccc   420

tgttgtgaat aaccgcttaa tcaatccact tggggcacca ccaggcatgc atgctaac     478


<210>      7825
<211>      471
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<213>      Glycine max
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3497

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attgcttata tttctaaacg agttgaccac aatccggtca acaaactgga tgccccaagg   180

ccctacgtta ttattcttct tctctactat tccatataaa aaaagatcac cacacaaaga   240

actccacgtt ctgatggcat atatatatat agtctatagg cccttcatag tggcccaaca   300

tcagtgatat ggctctggct ttggcagacc cttcactacg ccacaaagca acgcgtactc   360

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actttttttt cacatggaat gtcacctatg caccctttta ccagccggt gtgccccaac   180

aggttattct aatcaacaat gaattctctg tacccaccat ctatgacgcc atactcatga   240

atatctgcta tattgaattg ctgatccttg ccaagccctt gcttttccat tgggccgctg   300

tccagcacag gatgaatagt tggaaagatg gtgtcgtcgg cgccaattgc cctatccaac   360

caggcacaga ctacacgtac cacttccagg tgaaggacca aatcggtagc ttcttctact   420

accctagcct agggttgcag cgtgctgccg gaggcttcgg cggcctccgc atcaacagcc   480

gcctcctcat cccagtccct tatgctgatc ccgaggatga cta   523

<210>   7827
<211>   486
<212>   DNA
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3498

<223>   Clone ID: jC-gmf102220089c07a1

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aggcttcttg ctgaggtgtc cctttctcaa gagaggtttc aagaagtcaa tgatcttgtt   180

tttgaagcca ttggctgtgg tgaattggag gatgtcaatg ttcaaagtgt caaaaaagaa   240

gttgatgcag tcagcacaag cgaacaccct actgtggtgg tggtggctgg ttcacaagaa   300

tgtgtggttc tacagtaaca aggctcttgt attttgaaca aattcagaaa atctgcagtg   360

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ttgaacattg acattctcca atttaccaca gccaatgggt tcaaaaacaa gatcattgac   360

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